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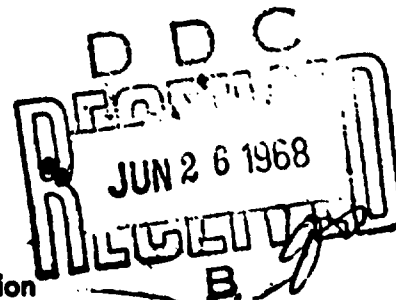
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CONSOLIDATED TRANSLATION SURVEY

FOR SEPTEMBER 1961

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CONSOLIDATED TRANSLATION SURVEY

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This Survey is prepared monthly by ~~Foreign Documents Division, CIA,~~ from lists received through cooperation of US government agencies and includes translations of such agencies, private industry, universities, research institutions, and commercial translation organizations. It is a compilation of foreign documentary projects, completed or started during the month preceding this publication.

Translations are listed by area and subject category. Scientific projects are grouped as a section regardless of geographic area. Title in English, author, foreign language title of source of material, date and data of publication, and publication identification of the completed project are given when available.

Some of the above details may be unavailable on projects listed "in process." New projects in process will be listed only once, their subsequent listing being made when they are reported completed. Projects in process, i.e., not completed as of the date of this Survey, are noted with an asterisk (\*), and when available, a project-control or "in-process" number is noted in parentheses following the title.

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Office of Technical Services  
Washington 25, DC

Acta Metallurgica

122 East 55th Street  
New York 22, New York

AEC - Atomic Energy Commission (see Department of Commerce)

AERE Harwell

The Librarian  
AERE, Ministry of Supply  
Harwell, Didcot, Birks  
England

AF

Department of Air Force  
Collection and Dissemination  
Assistant Chief of Staff, Intelligence  
ATTN: AFCIN 1B3  
Washington 25, DC

AGI

American Geological Institute  
2101 Constitution Avenue, NW  
Washington 25, DC

AGS

American Geographical Society  
Broadway at 156th Street  
New York 32, New York

AGU

American Geophysical Union  
1515 Massachusetts Avenue, NW  
Washington 15, DC

AIBS

American Institute of Biological Sciences  
2000 P Street, NW  
Washington 6, DC

AIEE

American Institute of Electrical Engineers  
Special Subscription Department  
41 East 28th Street  
New York 16, New York

AIP

American Institute of Physics  
335 East 45th Street  
New York 17, New York

Amer Meteorol Soc

American Meteorological Society  
Armed Services Technical Information Agency (ASTIA)  
Arlington Hall Station  
Arlington 12, Virginia

AMS - Army Map Service (see ACSI)

BCIRA

British Cast Iron Research Association  
Bordesley Hall  
Alvechurch, Birmingham  
England

BISI

British Iron and Steel Institute  
4 Grosvenor Gardens  
London, SW 1, England

BWRA

British Welding Research Association  
Abington Hall, Abington  
Cambridge, England

CB

Consultants Bureau, Inc  
227 West 17th Street  
New York 11, New York

Cleaver-Hume Press, Ltd

Cleaver-Hume Press, Ltd  
31 Wright's Lane  
London W 8, England

CSIR

Council for Scientific and Industrial Research  
The Head  
Information Division  
PO Box 395  
Pretoria, Africa

CTRA

The Coal Tar Research Association  
Oxford Road  
Gomersal, Leeds

CTT

Columbia Technical Translations  
5 Vermont Avenue  
White Plains, New York

Dept of Comm

Department of Commerce  
Office of Technical Services  
Washington 25, DC

Dept of Int

Department of Interior  
Library  
Washington 25, DC

Dept of State

Department of State  
Division of Library and Reference Service  
132 State Annex 1  
Washington, DC

DSI (British) (see Min of Aviat)

DSIR

Department of Scientific and Industrial Research  
Records Section  
Charles House  
5-11 Regent Street  
London SW 1, England

DSIR, TDA

Department of Scientific and Industrial Research  
Timber Development Association  
21 College Hill  
London, E.C.4

FTD - Foreign Technology Division (see AF)

Fulmer Res Inst, Ltd

Fulmer Research Institute, Ltd  
The Librarian  
Stoke Poges  
Buckinghamshire, England

HB

Henry Bratcher Technical Translations  
PO Box 157  
Altadena, California

HO - Hydrographics Office (see Navy)

ID - Intelligence Document (see ACSI)

Interntl Phys Index

International Physical Index, Inc  
1909 Park Avenue  
New York 35, New York

ISA

Instrument Society of America  
313 Sixth Avenue  
Pittsburgh 22, Pennsylvania

JPRS

Joint Publications Research Service  
For non-scientific reports:

For scientific-technical reports:

Photoduplication Service  
Library of Congress  
Washington 25, DC

Department of Commerce  
Office of Technical Services  
Washington 25, DC

Maritime Adm

Maritime Administration  
Office Services  
GAO, 5th and G Streets, NW  
Washington, DC

MEB

Mark E. Burgunker  
541 West 113th Street  
New York 25, New York

Min of Aviat

Ministry of Aviation  
TIL.1(b)  
Leysdown Road  
Motttingham  
London SE 9, England

MT

M. de O. Tollenache  
The Old Rectory  
Leuknor, Oxon

NASA

National Aeronautics and Space Administration  
1512 H Street, NW  
Washington 25, DC

Natl Bu Stand

National Bureau of Standards  
ATTN: Dr Henry Birnbaum  
Room 314, South Building  
Washington 25, DC

Navy

Department of Navy  
Office of Naval Intelligence  
Washington 25, DC

NCB

National Coal Board  
2, Grosvenor Place  
London, SW 1, England

NIH

Department of Health, Education and Welfare  
National Institutes of Health  
Librarian  
Bethesda 14, Maryland

NRCC

National Research Council Library  
Ottawa 2, Canada

NRL - Naval Research Laboratory (see Navy)

ONI - Office of Naval Intelligence (see Navy)

OTS - Office of Technical Services (see Dept of Commerce)

Pat Off

Patent Office  
Scientific Library  
14th and Constitution Avenue, NW  
Washington, DC

PERA

The Information Manager  
Production Engineering Research Association  
Melton Mowbray  
Leicestershire, England

Planet & Spac Sci - Planetary and Space Science (see PP)

PP

Pergamon Press  
122 East 55th Street  
New York 22, New York

PS

Primary Sources  
11 Bleecker Street  
New York 12, New York

QMIA - Quartermaster Intelligence Agency (see ACSI)

RAE

Royal Aircraft Establishment  
Farnborough  
Hants, England

RAND Corp

RAND Corporation  
ATTN: Publications Office  
1700 Main Street  
Santa Monica, California

RAPRA

Rubber and Plastics Research Association of Great Britain  
Shawbur  
Shrewsbury, England

All orders from the American Continents:

Falmerton Publishing Company, Inc  
101 West 31 Street  
New York 1, New York

Sov, EEu Res & Tr Sv

Soviet and East European Research and Translation Service  
246 East 51st Street  
New York 22, New York



STL

Space Technology Laboratories, Inc.  
PO Box 95001  
Los Angeles 45, California

TIL - Technical Information Library (see DSI British)

USASIA - US Army Signal Intelligence Agency (see ACSI)

USDA

Department of Agriculture  
Foreign Agricultural Service  
Room 5609  
14th and Independence Avenue, NW  
Washington 25, DC

USRL - US Research Laboratory (see Navy)

142nd MI Linguist Co - 142nd Military Intelligence Linguist Company  
(see ACSI)

319th MI Bn - 319th Military Intelligence Battalion (see ACSI)

500th INTC Gp, SIRA - 500th Intelligence Corps Group, SIRA (see ACSI)

P R O J E C T S   R E P O R T E D  
F O R   S E P T E M B E R   1 9 6 1

USSR

Economic

Comments by Soviet Citizens on US

Plastics Exhibition Kiev, 22 May --  
13 Jun 1961, (DC-6149).

RUSSIAN, ENGLISH, UKRAINIAN, SPANISH,  
GERMAN, LATVIAN, reports, 22 May-13 Jun 1961.

\*JPRS

Automatic Control Measuring and Regulating  
Instruments (Second, Revised and Supplemented  
Edition), by Ivan Vasil'yevich Butusov,  
(NY-6688).

RUSSIAN, bk, Avtomaticheskoye Kontrol'no-  
Izmeritel'nyye i Reguliruyushchiye Pribory,  
1961, pp 1-495.

\*JPRS

The Bogdanovskaya Concentration and Sintering  
Plant of the "Nikopol'-Manganets" Trust, by  
I. I. Grazhdantsev, 13 pp.

RUSSIAN, bk, Bogdanivs'ka Zbaga huval'no-  
Aglomeratsiyni Fabryka Trestu "Nikopol'-  
Manganets", 1959, pp 3-12.

JPRS 9922

Economics and Organization of Socialist  
Agricultural Production, by Yevseyenko,  
(SF-1996).

RUSSIAN, bk, Ekonomika i Organizatsiya  
Sotsialisticheskogo Sel'skokhozyaystvennogo  
Proizvodstva, 1961, pp Part 4 of Chapter 1,  
Chapters 6, 7, 12, 17, 20, 21, 22, 27, 31,  
32.

\*JPRS

Oil Industry of Grozny, 52 pp.

RUSSIAN, bk, Groznenskaya Neftyanaya  
Promyshlennost, pp 3-58.

ACSI H-8640  
ID 2162129

Group Work at the Voronezh Machine Building  
Plant, by D. B. Dorozhakov.

RUSSIAN, bk, Gruppovaya Tekhnologiya v  
Mashinostroyenii i Priborostroyenii,  
1960, pp 114-116.

\*FTD-TT-61-9

USSR  
Economic (Contd)

Kolkhoz Trade -- The Procurement of Agricultural Products and Raw Materials, by Aleksandr Afinogenovich Vasil'yev, (SF-1985).

RUSSIAN, bk, Kolkhoznaya Torgovlya Zagotovki Sel'skokhozyaystvennykh Produktov i Syr'ya, 1960, pp 1-79.

\*JPRS

Leningrad Industry and Its Reserves, by Yu. A. Lavrikov, Ye. V. Mazalov, 124 pp. RUSSIAN, bk, Leningradskaya Promyshlennost' i Yeye Rezervy, 1960, pp 1-156.

JPRS 8796

Machine Building in Soviet Georgia, by V. M. Yanrarashvili, (SF-2001). RUSSIAN, bk, Mashinostroyeniye v Sovetskoy Gruzii, 1960, pp 11-190.

\*JPRS

Conservation of Natural Resources and the Establishment of Reserves in the USSR, 106 pp.

RUSSIAN, bk, Okhrana Prirody i Zapovednoe Delo v SSSR, No 3, 1958, pp 1-115.

OTS 61-11489  
PL-480

Organization and Planning of Long-Distance Telephone Communication, (NY-6691).

RUSSIAN, bk, Organizatsiya i Planirovaniye Mezhdugorodnoy Telefonnoy Svyszi, 1960, pp 3-240.

\*JPRS

Regulations and Norms for the Planning and Construction of Cities, 214 pp.

RUSSIAN, bk, Pravila i Normy Planirovki i Zastroyki Gorodov, 1959, pp 1-179.

JPRS 9891

The Seven-Year Plan of Georgia, by O. D. Gotsiridze, 27 pp.

RUSSIAN, bk, Semiletka Gruzii, 1960, pp 1-47.

JPRS 4842

Without Paper and Distances, 4 pp. RUSSIAN, per, Agitator, No 8, 1961, pp 16-18.

JPRS 4921

The Upsurge of Soviet Metallurgy, by Ye. Abranchenko, 7 pp.

RUSSIAN, per, Agitator, No 12, Jun 1961, pp 25-27.

JPRS 10035

USSR  
Economic (Contd)

Data on Loudspeakers and Germanium  
Triodes, 5 pp.  
RUSSIAN, per, Avtomat, Telemekh, i  
Svyaz', No 5, 1961, inside back cover.

JPRS 9995

For More Extensive Mechanization of  
Accounting and Calculating Operations,  
by S. Sazonov, 7 pp.  
RUSSIAN, per, Bukhgalter Uchet, No 9, 1960,  
pp 5-10.

JPRS 8659

Planning the Mechanization of Accounting  
and Calculating Operations in the National  
Economy, by N. Belkin, 9 pp.  
RUSSIAN, per, Bukhgalter Uchet, No 10,  
1960, pp 5-11.

JPRS 8659

Decree on Bonuses for Management Person-  
nel, Engineering and Technical Personnel  
and Employees of Enterprises and Organiza-  
tions Providing Personal Services for the  
Population, 6 pp.  
RUSSIAN, per, Byul Gosudarstvennogo Komiteta  
Soveta Ministrov SSSR po Voprosam Truda i  
Zarabotnoy Platy, No 3, 1961, pp 20-24.

JPRS 8857

Analysis of Indexes on Work in Which Calcu-  
lating Machines Are Used, by A. Abanina,  
(SF-1973).  
RUSSIAN, per, Byul Nauch Informatsii: Trud  
i Zarabotnaya Plata, No 3, 1961, pp 22-24.

\*JPRS

Selected Articles From the Russian  
Periodical Byul Tekh-Ekon Informatsii.

No 1, 1961, pp 51-57.  
The Development of Agricultural Tech-  
nology and Techniques, by V. I. Lozovoy,  
10 pp.

JPRS 10026

No 2, 1961, pp 58-61.  
The OVT-1 and "L'VIV-1" OVS Blower  
Sprayers, by Ye. G. Sultan-Shakh,  
3 pp.

JPRS 10026

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Selected Articles From the Russian  
Periodical Byul Tekh-Ekon Informatsii.  
(Contd)

- No 3, 1961, pp 51, 52.  
The SKON-2.8B Seeder, by A. S. Patsyuk,  
3 pp. JPRS 10026
- No 4, 1961, pp 3-8.  
The Manufacture of Economical, Rolled  
Profiles and Their Use in Machine Building,  
by E. R. Shor, 9 pp. JPRS 9997
- No 4, 1961.  
Mechanizing the Sections, Preparing the  
Metal for Rolling and the Finishing  
Sections, by P. I. Berezhkov,  
A. F. Zinov'yev, 4 pp, (pp 8-11). JPRS 9997
- The T-108 Caterpillar Tractor, by  
I. S. Kav'yarov, N. S. Kuznetsov,  
3 pp, (pp 57-59). JPRS 10039
- No 5, 1961.  
New Technology Introduced in the Iron  
and Steel Industry, by F. G. Kostenko,  
5 pp, (pp 3-6). JPRS 9997
- Mechanizing and Automating Foundry  
Work at Machine-Construction Enter-  
prises of Mosoblsovnarkhoz (Moscow  
Oblast Sovnarkhoz), by I. V. Gellert,  
4 pp, (pp 81, 82). JPRS 10039
- No 6, Jun 1961, pp 57-62.  
Agricultural Machine Building in  
the Rostovskiy Sovnarkhoz, by  
M. I. Aleshin, 8 pp. JPRS 10047

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Selected Articles From the Russian  
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5 Nov 1960. Impressive Progress Made by "Serp i Molot" Plant, by N. Dolotin, N. Gubnikov, 7 pp.	JPRS 9957
24 Dec 1960. Water Pipelines for Agriculture, by I. Kachalin, 3 pp.	JPRS 9964
27 Dec 1960. Profitable Enterprise, by V. Liporskiy, 5 pp.	JPRS 9964
30 Dec 1960, p 2. Southern Magnitka, by N. Galatov, 4 pp.	JPRS 10032
18 Jan 1961, p 3. New Problems -- New Organization, by B. Zolotov, 3 pp.	JPRS 9983
21 Jan 1961. Automatic Control of Production, by M. Fedorovich, 3 pp.	JPRS 9959
1, 2 Feb 1961. A Conveyor Instead of a Train (Applica- tions to Bulk Transport, e. g. Coal, Ore, Grain), by L. Mataradze.	MT 196
7 Feb 1961. How to Exploit the Potential for In- creasing Steel Output at the Nizhny- Tagil' Combine, by Yu. Ploskonenko, A. Morogov, 4 pp.	JPRS 10036
10 Feb 1961. The Supporters of Technical Progress, 3 pp.	JPRS 10035
12 Feb 1961. Modernizing the Metallurgical Plants in the Stalinskiy Economic Region, by Ya. Kulikov, 3 pp.	JPRS 10036

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Newspaper Ekonomika. (Contd)

12 Feb 1961.

The Automobile: From Model to Series,  
by S. Laptev, 5 pp, (p 2)

JPRS 10023

An Important Means of Automation:  
Concerning the Production of Radio-  
active Electronic Instruments, by  
N. Yegorov, E. Ivanov, G. Kochenov,  
4 pp, (p 3).

JPRS 10024

16 Feb 1961, p 3.

A Laggard Electric Lamp Plant in  
Armenia, by R. Avakyan, 3 pp.

JPRS 10024

17 Feb 1961.

Isotopes in the National Economy,  
by P. Savitskiy, 6 pp.

JPRS 10024

23 Feb 1961.

In Defense of Cyclone Smelting,  
3 pp.

JPRS 9984

28 Feb 1961.

New Machines Wanted, by N. Manukavskiy,  
3 pp.

JPRS 9958

8 Mar 1961.

The Taganrog Combine Building Plant  
Needs Better Metal Supply, by  
I. Lutay, 4 pp.

JPRS 9957

9 Mar 1961.

Machine Tools Needed by the Minsk  
Tractor Plant, by Z. Rubanov, 4 pp.

JPRS 9957

14 Mar 1961.

For a Worthy Greeting of the 22nd  
Party Congress, 7 pp.

JPRS 9958

16 Mar 1961.

Activities of the Khar'kov Tractor  
Plant, by G. Ogiy, 3 pp.

JPRS 9957

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Economic (Contd)

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17 Mar 1961. The Diesel Engines Produced by the Khar'kov Plant imeni Malyshev, by N. Lychagin, 3 pp.	JPRS 9957
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19 Apr 1961. Production of Goods for Household Use, 6 pp.	JPRS 4849
27 Apr 1961. The Responsibilities of Planners, by Valeriy Agranovskiy, 6 pp.	JPRS 9957
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21 May 1961. Against Defective Agricultural Facilities, 3 pp.	JPRS 9957
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26 May 1961. Place This Important Plant in Opera- tion Sooner, 3 pp.	JPRS 10005
27 May 1961. Let's Produce More of the Cheapest Fertilizers, by I. Karatayev, 4 pp.	JPRS 10005
31 May 1961. How Long Can the Starting Period Last?, by Ye. Kreyn, 4 pp.	JPRS 10005



USSR  
Economic (Contd)

Selected Articles From the Russian  
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17 Jun 1961. Things Needed in Every Family, by P. Tikhomirov, 6 pp.	JPRS 4849
28 Jun 1961. Boiler Construction Is the Basis for Power Engineering, 3 pp.	JPRS 10098
For the Kolkhozes of the Baltic Region, by A. Eysmont, 4 pp.	JPRS 10047
Great Sorrow at Great Capron, 4 pp.	JPRS 10042
13 Jul 1961. Delays, Lack of Coordination, and Miscalculations in the Production of Special Pipes and Tubing, 4 pp.	JPRS 10046
28 Aug 1961, pp 9-11, (SF-1994). Cybernetics in the Control of the Economy, by A. Kitov.	*JPRS
A Fundamental Improvement in the Method of Measuring Labor Productivity in Con- struction, by S. Bashinskiy, 5 pp. RUSSIAN, per, <u>Ekon Stroitel'stva</u> , No 1, 1961, pp 36-40.	JPRS 8788
Improving the Indicators for the Volume of Construction and Installation Work and for Labor Productivity, by M. Sherman, 5 pp. RUSSIAN, per, <u>Ekon Stroitel'stva</u> , No 1, 1961, pp 40-45.	JPRS 8788
Evaluating the Level of the Productivity of Social Labor in Construction, by V. Kardash, 5 pp. RUSSIAN, per, <u>Ekon Stroitel'stva</u> , No 1, 1961, pp 45-48.	JPRS 8788

USSR  
Economic (Contd)

Rectifying Devices and Germanium  
and Silicon Rectifiers, 3 pp.  
RUSSIAN, per, Energetik, Jun 1961,  
pp 36, 37.

JPRS 10025

Rectifiers Units and Germanium and  
Silicon Rectifiers (Conclusion), 9 pp.  
RUSSIAN, per, Energetik, Jul 1961,  
pp 38-40.

JPRS 10033

Training Cadres for the Financial System,  
by G. Balamutov, 8 pp.  
RUSSIAN, per, Finany SSSR, No 3, 1961,  
pp 21-27.

JPRS 8857

The Investigation of Thermal Insulating  
Properties of Clothing for Miners in  
Open Pits in the Arctic, by Yu. D. Prokhorov,  
I. V. Roshchin, N. I. Slepak, 13 pp.  
RUSSIAN, per, Gig i San, No 6, 1961,  
pp 39-46.

JPRS 10066

The Enchanted Wheel, 3 pp.  
RUSSIAN, np, Izvestiya, 12 Jul 1961.

JPRS 10042

Conference on the Development of Trans-  
port in the Irkutskaya Oblast'.  
RUSSIAN, per, Iz Ak Nauk SSSR, Mar/Apr  
1961, pp 130-132.

500th INTC Gp, SIRA  
Tr No 104467

On the Scientific Work of the Chairs  
of the Kiev Technological Institute of  
the Light Industry, by N. N. Pozhidayev,  
12 pp.  
RUSSIAN, per, Iz Ucheb Zaved, Tekh  
Legkoy Prom, No 6, 1959, pp 6-10.

JPRS 9848

The Kola Affiliate of the AN USSR and  
the Development of the Productive Forces in  
the Murmanskaya Oblast, by A. V. Sidorenko,  
14 pp.  
RUSSIAN, per, Iz Vostochnykh Fil Ak Nauk  
SSSR, No 8, 1957, pp 100-111.

JPRS 4910

USSR  
Economic (Contd)

Awards for Entries in the 1960 Exposition of Achievements in the National Economy of the USSR, by A. B. Derevicher, 6 pp.

RUSSIAN, per, Kauchuk i Rezina, No 1, 1961, pp 55-58.

JPRS 4883

New Equipment for Plants Producing Technical Rubber Articles, by I. M. Pumpyanskiy, 14 pp.

RUSSIAN, per, Kauchuk i Rezina, No 5, 1961, pp 26-32.

JPRS 4886

Socialist Competition in Honor of the XXII Congress of the CPSU Undertaken by Enterprises in the Caoutchouc and Rubber Industry, 4 pp.

RUSSIAN, per, Kauchuk i Rezina, No 5, 1961, pp 56-57.

JPRS 4887

Metal Is Going Into the "Tailings", by A. Mochalov, 3 pp.

RUSSIAN, np, Kazakhstanskaya Pravda, 22 Feb 1961, p 3.

JPRS 9984

Complete Mechanization of Field Work, 7 pp.

RUSSIAN, np, Kazakhstanskaya Pravda, 29 Mar 1961.

JPRS 9958

Selected Articles From the Russian Periodical Kholodil'naya Tekh.

No 1, Jan/Feb 1961.

Development in Production of Household Refrigerators, by A. B. Khachaturov, 7 pp, (pp 1-4).

JPRS 9961

The Amur Type Machine for the Multiple-Point Automatic Regulation of Temperature, by G. M. Kasatkina, V. K. Movik, A. V. Karpov-Giprokholod, V. S. Uzhanskiy, 9 pp, (pp 11-15).

New Household Refrigerators, 5 pp, (pp 66-68).

USSR  
Economic (Contd)

Selected Articles From the Russian  
Periodical Kholodil'naya Tekh. (Contd)

- No 3, May/Jun 1961. JPRS 10040  
Coordinating Scientific Work, by  
Sh. N. Kobulashvili, 6 pp, (pp 1-3).
- The PTR-P Semiconductor Proportional  
Temperature Regulator, by Yu. S. Davydov,  
I. T. Mikhaylov, 7 pp, (pp 7-10).
- Plenum of the Scientific-Technical Coun-  
cil on Coordination, 7 pp, (pp 64, 65).
- Resources of Coke Chemistry -- For Agri-  
culture, 3 pp.  
RUSSIAN, per, Koks i Khimiya, No 3, 1961,  
pp 3-4. JPRS 4823
- The "Avtomatika" Institute, by I. Mil'grom,  
5 pp.  
RUSSIAN, np, Kommunist, 31 Jan 1961, p 3. JPRS 9990
- The Technical Progress and Economics of  
Armenia's Machine Construction, by  
G. Khachatryan, 3 pp.  
RUSSIAN, np, Kommunist, 1 Feb 1961, p 3. JPRS 10026
- On the Road of Unremitting Growth, by  
A. Sayakyan, 4 pp.  
RUSSIAN, np, Kommunist, 22 Feb 1961, p 3. JPRS 9984
- The Constant Growth in the Forces of  
Socialism, 10 pp.  
RUSSIAN, np, Kommunist, No 6, 1961,  
pp 91-99. JPRS 4847
- To Economize Is to Look Ahead, 4 pp.  
RUSSIAN, np, Komsomol'skaya Pravda,  
Jan 1961, p 1. JPRS 9815
- Profile of the Invisible, by Yu. Medvedev,  
3 pp.  
RUSSIAN, np, Komsomol'skaya Pravda,  
15 Jan 1961, p 4. JPRS 9983

USSR

Economic (Contd)

The Chief Scientific Research and Design  
Institute of the Lacquer and Paint Indus-  
try and Its Experimental Plant, by  
V. M. Romanov, 5 pp.

RUSSIAN, per, Lakokrasochnyye Materialy  
i ikh Prim, No 2, 1961, pp 1-2.

JPRS 4824

The Payment of Workers Employed in Loading  
and Unloading Work, 4 pp.

RUSSIAN, np, Les Prom, 25 Mar 1961.

JPRS 8788

First Russian Manual for Foundry Practice  
Its Author: - Mining Engineer Apollon

Fedorovich Mevius, by D. M. Modolevich.

RUSSIAN, per, Lit Proiz, No 12, 1959,  
pp 43-45.

DSIR M.2364

Selected Articles From the Russian  
Periodical Mashinostroitel'

Feb 1959.

JPRS 10038

The Industry of Leningrad Is Introducing  
Group Production in Machines and Instru-  
ments on a Broad Scale, by L. G. Shershen',  
6 pp, (pp 6, 7).

The Group Method in Forging, by  
P. V. Kamnev, 11 pp, (pp 8-13).

Modernization and Automation in Lathes  
Under the Group Method of Machining,  
by I. M. Kucher, 4 pp, (pp 13-15).

Group Machining of Components in All  
Production Sectors, by N. A. Bronnikov,  
4 pp, (pp 21, 22).

Five Years of Work With Group Techniques,  
by Ye. K. Ivanov, 7 pp, (pp 28, 29).

Jun 1961, pp 6-9.

JPRS 10023

Machines Are Replacing the Labor of  
Loaders, by V. I. Zil'berberg,  
10 pp.

USSR  
Economic (Contd)

Public Catering on a Larger Scale,  
by V. Maksimov, 6 pp.  
RUSSIAN, per, Narodnoye Khozyaystvo,  
No 5, 1961, pp 74-77.

JPRS 4849

The Utilization of Labor Resources in  
Kolkhozes, by A. Gol'tsov, 18 pp.  
RUSSIAN, per, Nauch Dok Vysshey Shkoly:  
Ekon Nauk, No 1, 1961, pp 43-55.

JPRS 8788

Creative Plans of Society Members, by  
I. Storozhko, 7 pp.  
RUSSIAN, per, Nauchno-Tekh Obshch SSSR,  
1961, No 6, pp 40-42.

JPRS 10023

Meetings With Top Agricultural Workers,  
by Oleg Pisarzhevskiy, 10 pp.  
RUSSIAN, per, Nauka i Zhizn', No 6, 1961,  
pp 1-5.

JPRS 4897

Two Ears, by O. S. Musiyko, 6 pp.  
RUSSIAN, per, Nauka i Zhyttya, No 1,  
1961, pp 12-13.

JPRS 9950

Mathematical Models and Electronic Com-  
puters in Planning and Economic Calcula-  
tions on the Wages, Income, and Consumption  
of Workers, by A. Aganbegyan, 16 pp.  
RUSSIAN, per, Planovoye Khoz, No 4, 1961,  
pp 15-24.

JPRS 4830

Improve Interrayon Distribution of Rolled  
Ferrous Metals, by B. Fastovskiy, (DC-6301).  
RUSSIAN, per, Plan Khoz, No 8, 1961,  
pp 74-79.

\*JPRS

Great Victory of Construction Workers  
and Metallurgists, by A. Sidorenko, 4 pp.  
RUSSIAN, np, Pravda, 6 Jan 1961, p 1.

JPRS 10032

There Is No Time to Be Lost, 6 pp.  
RUSSIAN, np, Pravda, 30 Jan 1961, p 4.

JPRS 10032

Steel and Vacuum - In Competition for  
the Lenin Prize, by V. Parfenov, 4 pp.  
RUSSIAN, np, Pravda, 4 Apr 1961, p 4.

JPRS 4756

USSR  
Economic (Contd)

Let Us Build a Giant Chemical Industry,  
by V. Fedorov, 7 pp.  
RUSSIAN, np, Pravda, 9 Jun 1961.

JPRS 10005

Selected Articles From the Russian  
Newspaper Pravda Ukrainy.

16 Dec 1960, p 2.  
Accounts and Elections Among Party Organi-  
zations in the Dzerzhinskiy Rayon, by  
S. Akhmatov, 3 pp.

JPRS 9893

30 Dec 1960, p 3.  
Another One Giant at the Construction Projects  
of the Seven-Year Plan, by A. Podlepa,  
N. Osipov, V. Stanislavuk, V. Kotovskaya,  
V. Litvin, 4 pp.

JPRS 10032

6 Jan 1961, p 1.  
Basic Plants Fulfilling Orders for  
Animal Husbandry, 3 pp.

JPRS 9815

10 Jan 1961, p 1.  
For the New Victories of the World Com-  
munist Movement, by G. Cherchenko, 3 pp.

JPRS 9815

20 Jan 1961.  
Pledges by the L'vovskiy Sovnarkhoz,  
3 pp.

JPRS 9815

25 Jan 1961, p 2.  
Pledges by the Kievskiy Economic  
Administrative Region, 4 pp.

JPRS 9815

20 Mar 1961.  
More Machines for the Corn Growers,  
4 pp.

JPRS 9957

31 May 1961.  
Nitrogen and the Crop Yield, by  
G. Vilesov, 5 pp.

JPRS 10005

8 Jul 1961.  
Dnepropetrovsk Tires, by  
S. Akhmatov, 3 pp.

JPRS 10042

USSR  
Economic (Contd)

Ulugbek -- City of the Peaceful Atom,  
by L. Toporkov, 5 pp.  
RUSSIAN, np, Pravda Vostoka, 12 Feb 1961,  
p 4.

JPRS 10024

Decisions of the January Plenum of the  
CPSU on Agriculture, by T. Potapov,  
4 pp.  
RUSSIAN, np, Pravda Vostoka, 22 Jan 1961,  
p 8.

JPRS 9815

There Is Enough Paper... But What About  
the Bearings?, 6 pp.  
RUSSIAN, np, Pravda Vostoka, 31 Jan 1961.

JPRS 9815

Model Regulation on the Vocational-  
Technical Schools and the Reorganization  
of the Vocational Schools, by  
A. Veysbland, 8 pp.  
RUSSIAN, per, Professional'no-Tekh  
Obraz, No 6, 1961, pp 1-3.

JPRS 8857

Coordinating the Preparation of Skilled  
Workers, by S. Trubnikov, 7 pp.  
RUSSIAN, per, Professional'no-Tekh  
Obraz, No 6, 1961, pp 14-16.

JPRS 8857

Introduction of Petroleum for Produc-  
tion of Alcohol in Belorussia,  
by I. Krymov, 31 pp.  
RUSSIAN, per, Prom-Ekon Gazeta,  
20 Nov 1959, p 3.

AF 1419498

Soviet and Communist Chinese Petroleum  
Refining Facilities, by Elias Bacha,  
21 pp.  
RUSSIAN, np, Prom-Ekon Gazeta,  
30 Sep 1959, p 3, 15 Nov 1959, p 3.

AF 1419512

Radioactive Industrial Instruments, 4 pp.  
RUSSIAN, per, Prom Energetika, No 5,  
1961, pp 62, 63.

JPRS 9894



USSR  
Economic (Contd)

Counters, Production Meters, Depth Indicators, Automatic Temperature Regulators, and Filters, 5 pp.  
RUSSIAN, per, Prom Energetika, No 6, 1961, pp 54, 55.

JPRS 9995

Instruments for Automatic Measurement of Moisture Content, by D. Oganessian, 6 pp.  
RUSSIAN, per, Prom' Armenii, Mar 1961, pp 24-28.

JPRS 9894

New Wage Payment Conditions for Maintenance of Way Work, by V. I. Fisenko, 5 pp.  
RUSSIAN, per, Put' i Putevoye Khoz, No 3, 1961, pp 30, 31.

JPRS 8788

TV Center of the City of Lenin, by N. Mikhaylov, A. Solovey, 5 pp.  
RUSSIAN, per, Radio, No 5, 1961, pp 3-5.

JPRS 4921

Development of the Sugar Industry in the First Two Years of the Seven Year Plan, by S. I. Gerasimov, 6 pp.  
RUSSIAN, per, Sakharnaya Promyshlennost', No 4, 1961, pp 1-5.

JPRS 4849

Technical Progress in Agriculture and the Training of Mechanizers in General Schools, by A. M. Kiryukhin, 29 pp.  
RUSSIAN, per, Shkola i Proizvodstvo, No 5, 1961, pp 59-71.

JPRS 10085

Special Features in the Computation and Payment of Pensions for Working Persons in Certain Categories and Occupations, by Yu. Tsederbaum, 9 pp.  
RUSSIAN, per, Sotsial' Obespech, No 5, 1961, pp 52-57.

JPRS 8857

USSR Labor Resources, by P. Pod'yachikh, 12 pp.  
RUSSIAN, per, Sotsialisticheskiy Trud, No 2, 1961, pp 12-20.

JPRS 8788

USSR  
Economic (Contd)

Improve the Utilization of Labor Resources in Siberia and the Far East, by N. Kokosov, 8 pp.  
RUSSIAN, per, Sotsialisticheskiy Trud, No 2, 1961, pp 21-27.

JPRS 8788

Communist Labor Enterprises, by S. Gershberg, 7 pp.  
RUSSIAN, per, Sotsialisticheskiy Trud, No 5, 1961, pp 11-19.

JPRS 8857

Planning the Wage Funds Under the Conditions of the New Practice of Paying Bonuses, by A. Sosul'nikov, 5 pp.  
RUSSIAN, per, Sotsialisticheskiy Trud, No 5, 1961, pp 123-126.

JPRS 8857

The Soligorsk Potash Combine May Not Be Completed on Time, by N. Yazylets, 5 pp.  
RUSSIAN, np, Sovetskaya Belorussiya, 11 Jul 1961.

JPRS 10042

New Machines to Fit Estonian Conditions, by A. Yakobson, 4 pp.  
RUSSIAN, np, Sovetskaya Estoniya, 9 Mar 1961.

JPRS 9958

Sticks in the Wheels, 4 pp.  
RUSSIAN, np, Sovetskaya Estoniya, 11 Jul 1961.

JPRS 10042

Crash Construction, by V. Bykov, 5 pp.  
RUSSIAN, np, Sovetskaya Latvija, 27 Apr 1961.

JPRS 9959

The "Neris" Agricultural Machinery Plant, by A. Yegiyani, 4 pp.  
RUSSIAN, np, Sovetskaya Litva, Vil'nyus, 17 Mar 1961.

JPRS 9958

The New Payment System in Sovkhozos, by G. Shkorupilo, 4 pp.  
RUSSIAN, per, Sovet Profsoyuzy, No 4, Feb 1961, pp 38-40.

JPRS 8788

USSR

Economic (Contd)

Consumers' Cooperatives Are the Organizing Force for Agricultural Surpluses, by E. Lekhova, 8 pp.

RUSSIAN, per, Sovet Torg, No 5, 1961, pp 5-8.

JPRS 4849

New Pay Conditions for Truck Drivers, by V. Sharov, 9 pp.

RUSSIAN, per, Stroitel', No 6, 1961, pp 27-29.

JPRS 8857

Which Scraper Is Better? Comparative Tests of New Trailer Scrapers, by D. I. Fedorov, I. A. Nedorezov, D. I. Pleshkov, 3 pp.  
RUSSIAN, per, Stroitel i Dorozhnyye Mashiny, No 6, 1961, pp 13-17.

JPRS 10001

The High Cost of Chemical Enterprises, by A. Kudryavtsev, 6 pp.

RUSSIAN, np, Stroitel'naya Gazeta, 28 May 1961.

JPRS 9959

Fewer Resolutions and More Materials!, by P. Zolotukhin, S. Konoval'chenko, V. Gridasov, 3 pp.

RUSSIAN, np, Stroitel'naya Gazeta, 2 Jun 1961, p 2.

JPRS 9983

Commercial Instruments for the Measurement of Ultraviolet Radiation, by I. G. Bukhartsev, M. V. Sokolov, O. P. Shelkova, 10 pp.  
RUSSIAN, per, Svetotekhnika, No 7, 1961, pp 18-23.

JPRS 10033

At the Industrial Fair for the Leningrad Economic District, 6 pp.

RUSSIAN, per, Tekh Kino i Televideniya, No 5, 1961, p 95.

JPRS 10045

More Fabrics -- High Quality and Variety, 4 pp.

RUSSIAN, per, Tekstil' Prom, No 4, 1961, pp 1-3.

JPRS 4849

USSR  
Economic (Contd)

Selected Articles From the Russian  
Periodical Traktory i Sel'khoz, No 5,  
1961.

JPRS 10006

To Speed Up the Full Mechanization  
of Cotton Production, by N. V. Martynov,  
7 pp, (pp 2, 3).

Survey of the Results of Tests on Agri-  
cultural Machinery at the MIS (Machine-  
Testing Station), 8 pp, (pp 28-30).

Seedling-Planting Machines, by  
F. I. Steblyanko, A. A. Chernyak,  
A. M. Dobyshev, 5 pp, (pp 30, 31).

The PG-0.3 Hydraulic Loader, by  
Z. S. Gertsenberg, 3 pp, (p 34).

We Must Lower Expenditures in Auxiliary  
Production, by V. A. Semenov, 10 pp,  
(pp 36-38).

Automation and Mechanization of the  
Process of Making Track Links, by  
S. N. Aver'yanov, I. F. Shapovalov,  
15 pp, (pp 39-43).

We Must Have Better Raw Materials for  
Plastics, 3 pp.  
RUSSIAN, np, Trud, 25 Jan 1961, p 2.

JPRS 9990

A Criticism of the Gosplan RSFSR and  
the Orenburgskiy Sovnarkhoz, 3 pp.  
RUSSIAN, np, Trud, 12 Feb 1961.

JPRS 10036

The Rubtsovsk Electrical Equipment  
Plant, by I. Rudakov, 3 pp.  
RUSSIAN, np, Trud, 25 Feb 1961.

JPRS 9958

The Petrographic Characteristics of Coals  
in Relations to Their Use in the Coking  
Industry, by I. V. Eremin.  
RUSSIAN, per, Trudy Inst Goryuchikh  
Iskopaemykh Ak Nauk SSSR, Vol VIII,  
1959, pp 14-20.

NCB A 1968

USSR  
Economic (Contd)

Progressive Science - Reliable Compass  
for Practice.

RUSSIAN, per, Vest Sel'skokhoz Nauk,  
Vol VI, No 1, Jan 1961, pp 3-10. 9078960

USDA

Occupations of USSR Citizens According to  
the 1959 Population Census, by

V. Rozdyalovskaya, 12 pp.

RUSSIAN, per, Vest Statistiki, No 3, 1961,  
pp 3-12.

JPRS 8788

Soviet Technical Aid to Foreign Countries,  
by I. Kapranov.

RUSSIAN, per, Vnesh Torg, No 6, 1961,  
pp 3-15.

500th INTC Gp, SIRA  
Tr No 104212

The Reduction of Labor to a Common De-  
nominator, by A. Katsenelinboygen, 11 pp.

RUSSIAN, per, Voprosy Ekon, No 3, 1961,  
pp 50-58.

JPRS 8788

Problems of Raising the Efficiency of  
Interregional Industrial Links, by

M. Minakov, 17 pp.

RUSSIAN, per, Voprosy Ekon, No 3, 1961,  
pp 121-129.

JPRS 10046

Certain Problems in the Development of  
Ferrous Metallurgy in the Georgian SSR,  
by Ye. Kandelaki, 6 pp.

RUSSIAN, np, Zarya Vostoka, 20 Dec 1960,  
p 2.

JPRS 9893

The People of the Soviet Union Are Strug-  
gling to Complete the Seven Year Plan

Ahead of Schedule, by Liu Hsiao, 11 pp.

CHINESE, per, Hung-ch'i, No 15, 1959,  
pp 15-22.

JPRS 9820

Minerals of the Ukraine, by F. A. Rudenko,  
V. K. Kulykovs'ky, V. T. Letysh,  
(NY-6729).

UKRAINIAN, bk, Korysni Kopalyyny Ukrainy,  
1960, 240 pp.

\*J116

USSR  
Political

Forms and Methods of Leadership in the Kolkhozes on the Part of the Rayon Executive Committee, by V. N. Dem'yanenko, (SF-1982). RUSSIAN, pamphlet, Formy i Metody Rukovodstva Kolkhozami so Storony Rayispolkoma, 1960, Entire Book.

\*JPRS

Greet the 22nd Congress of the CPSU in a Worthy Manner!, 7 pp. RUSSIAN, per, Biologiya v Shkole, No 4, Jul/Aug 1961, pp 3-6.

JPRS 10078

Society and the Individual in the Transition to Communism, by N. Shendrik, 11 pp. RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 3 (164), 1961, pp 3-11.

JPRS 9884

The Greatness of Leninist Ideas, 10 pp. RUSSIAN, per, Kommunist, No 6, 1961, pp 3-10.

JPRS 4847

American Imperialism in the Modern World, by V. V. Korionov, 14 pp. RUSSIAN, per, Kommunist, No 6, 1961, pp 71-81.

JPRS 4847

Memoirs and History, by Al. Dymshits, 8 pp. RUSSIAN, per, Oktyabr', No 6, 1961, pp 194-198.

JPRS 4854

The General and the Particular in the Development of Society, by M. Gil'man, 10 pp. RUSSIAN, per, Partiynaya Zhizh' Kazakhstana, No 5, 1961, pp 37-43.

JPRS 4846

To Arm Millions Ideologically, 12 pp. RUSSIAN, np, Pravda, 24 May 1961, p 4.

JPRS 8798

Labor's Victorious Mass Movement in the Soviet Union's Struggle to Achieve Communism, by I. Ch'ang-ko-li, 10 pp. CHINESE, per, Hung-ch'i, No 8, 1959, pp 12-18.

JPRS 4820

USSR  
Military

Soviet's Air Transport Capacity,  
by Sven Sandberg, 11 pp.  
SWEDISH, rpt, Transactions and Journal  
of the Royal Swedish Academy of Military  
Science, No 6, 1961, p 360.

Dept of Navy  
ONI 5125055

USSR

Geographic

Grodno, by V. I. Kudryashev, (DC-6315).  
RUSSIAN, bk, Grodno, 1960, pp 5-123.

\*JPRS

The Seven-Year Plan of Agren, by  
A. G. Batygin, (DC-6316).  
RUSSIAN, brochure, Semiletka Angrena,  
1959, pp 3-26.

\*JPRS

The Natural Landscapes of Prairies in the  
Soviet Far East and Their Origins.  
RUSSIAN, per, Iz Ak Nauk SSSR, Jan/Feb  
1961, pp 13-24.

500th INTC Gp, SIRA  
Tr No 104454

Cold Wasteland in the Antarctic Continent,  
by G. A. Avsyuk, K. K. Markov,  
P. A. Shumskiy, 19 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geog,  
No 4, 1956, pp 16-25.

OTS 60-21094  
(PL-480)

Geographical Observations in an Antarctic  
"Oasis," by G. A. Avsyuk, K. K. Markov,  
P. A. Shumskiy, 53 pp.  
RUSSIAN, per, Iz Vses Geograf Obshch,  
Vol LXXXVIII, No 4, 1956, pp 316-355.

OTS 60-21825  
(PL-480)

The Orography of the Central Trans-Baykal  
Area.  
RUSSIAN, per, Iz Vses Geograf Obshch, Mar/Apr  
1961, pp 161-163.

500th INTC Gp, SIRA  
Tr No 104566

The Geography and Distribution of Soil Types,  
by L. I. Prasolov, 8 pp.  
RUSSIAN, per, Pochvovedeniye, Vol III-IV,  
1945, pp 146-151. 9080447

OTS 60-21842  
(PL-480)

The Development of Soil Geography and  
Cartography in Russia, by S. S. Sobolev,  
11 pp.  
RUSSIAN, per, Pochvovedeniye, Vol V-VI,  
1945, pp 242-249.

OTS 60-21849  
(PL-480)



USSR  
Sociological

Papers of Dzerzhinskiy on the Cheka, by  
A. V. Romanov, (DC-6332).

RUSSIAN, pamphlet, Kak Nam Borot'sya?,  
1960, 56 pp.

\*JPRS

Criminal Investigation of Materials of  
Documents, by N. P. Yablokov, (DC-6296).

RUSSIAN, pamphlet, Kriminalisticheskoye  
Issledovaniye Materialov Dokumentov,  
1961, entire book.

\*JPRS

Speech Psychology in Soviet Psychological  
Sciences for 40 Years, by A. N. Rayevskiy,  
252 pp.

RUSSIAN, bk, Psikhologiya Rechi v Sovetskoy  
Psikhologicheskoy Nauke za 40 Let, 1958,  
pp 1-123.

JPRS 9890

First Medical School in Uzbekistan, by  
M. Ya. Rubinov, 3 pp.

RUSSIAN, per, Fel'dsher i Akusherka, No 2,  
1961, pp 56-57.

JPRS 4896

Scientific Conference on the Problems of  
Acclimitization and Feeding of People in  
the Far North, by A. B. Kupriyanov, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geograf,  
No 2, 1961, pp 128-130.

JPRS 4912

Change in the Life and Culture of the Nanay-  
skiy Rayon, as a Result of Socialist Trans-  
formations.

RUSSIAN, per, Iz Vses Geograf Obshch, Mar/Apr  
1961, pp 136-148.

500th INTC Gp, SIRA  
Tr No 104565

The Morale Factor and Its Role in a Modern  
World, by B. Belyy, G. Fyedorov.

RUSSIAN, per, Kommunist Vooruzhenykh Sil,  
No 9, May 1961, pp 16-24.

\*Navy Tr 2868/ONI 874

Public Health Problems at the Fourth Session  
of the Supreme Soviet Uzbek SSR, 12 pp.

RUSSIAN, per, Medit Zhur Uzbekistana, No 9,  
1960, pp 3-6.

JPRS 9862

Some Findings of the 1959 Population Census  
Relating to the Kazakh SSR, by D. Kabyzbekov,  
14 pp.

RUSSIAN, per, Narod Khoz Kazakhstana, No 3,  
1961, pp 70-77.

JPRS 7788

USSR

Sociological (Contd)

The Road to Science for the Young, by  
M. Levrent'yev, 4 pp.  
RUSSIAN, np, Pravda, 18 Oct 1960, p 2.

Sov, EEur Res & Tr Sv

Theoretical Problems of Building Communism  
in the USSR and the Tasks of Soviet Ethno-  
graphers, 13 pp.  
RUSSIAN, per, Sovet Etnografiya, No 5,  
1958, pp 8-16.

JPRS 9586

Activity of the Red Cross and Red Crescent  
Societies in Rural Areas, 7 pp.  
RUSSIAN, per, Sovet Krasnyy Krest, No 2 (56),  
Mar-Apr 1961, pp 1-3.

JPRS 9860

General Meeting of the Academy of Pedagogical  
Sciences of the RSFSR, 10 pp.  
RUSSIAN, per, Sovet Pedagogika, No 4, 1961,  
pp 151-155.

JPRS 10030

Conference on the Psychology of Labor  
Education and Instruction, by  
T. Kudryavtsev, 5 pp.  
RUSSIAN, per, Sovet Pedagogika, No 4,  
1961, pp 156-158.

JPRS 10030

Seminar-Conference on Pedagogical Propaganda,  
by T. Polozova, 4 pp.  
RUSSIAN, per, Sovet Pedagogika, No 4, 1961,  
pp 158-160.

JPRS 10030

Results of the Scientific Investigations of  
Physical Culture Institutes During 1960, by  
D. A. Semenov, N. Nel'ga, R. Ismailov, et al,  
48 pp.  
RUSSIAN, per, Teoriya i Praktika Fiz Kultury,  
Vol XXIV, No 4, 1961, pp 305-317.

JPRS 10064

Draft Program of Trade Union Action at the  
Present Stage in Defense of the Interests and  
Rights of the Working people, 18 pp.  
RUSSIAN, np, Trud, 26 Jul 1961, p 3.

JPRS 8813

Preparation of Scientific Personnel on a  
Level With New Problems.  
RUSSIAN, per, Vest Sel'skokhoz Nauk, Vol V,  
No 10, Oct 1960, pp 3-10. 9078949

USDA

USSR  
Sociological (Contd)

Work Rate and Functional State of  
Analyzers During Work Requiring Great  
Amount of Precision in Visual, Tactile,  
and Proprioceptive Control, by  
G. G. Rud', 12 pp.  
RUSSIAN, per, Zdravookhraneniye, Vol XIII,  
No 5, 1960, pp 47-54.

JPRS 10010

The Present Status and Ways of Further  
Development of Rural Public Health in the  
Moldavian SSR, by M. Ya. Gekhtman,  
V. I. Kant, 8 pp.  
RUSSIAN, per, Zdravookhraneniye, No 2,  
Mar-Apr 1961, pp 3-8.

JPRS 9923

Development of Soviet School Reform, by  
Oskar Anweiler, 22 pp.  
GERMAN, per, Osteuropa, Vol XI, No 4/5,  
1961, pp 285-301.

JPRS 8719

USSR  
Biographic

Aleksey Alekseyevich Smirnov, by  
Yu. V. Bukin, N. M. Bykov,  
N. P. Vereshchagina, 4 pp.  
RUSSIAN, per, Arkhiv Anatomii, Gistologii  
i Embriologii, Vol XL, No 2, 1961,  
pp 126-127.

JPRS 4869

Decisions of the Higher Certification  
Commission on Academic Degrees and Titles,  
11 pp.  
RUSSIAN, per, Byul Ministerstva Vysshego i  
Srednego Spetsial'nogo Obrazovaniya SSSR,  
No 3, 1961, pp 26-29.

JPRS 8827

Nikolay Semenovich Kurnakov and the  
Significance of His Work for Geochemistry  
(On the Centennial of His Birth), by  
M. G. Valyashko, 35 pp.  
RUSSIAN, per, Geokhimiya, No 7, 1960,  
pp 653-660.

JPRS 9926

Nikolay Il'ich Gurevich, 3 pp.  
RUSSIAN, per, Khirurgiya, Vol XXXVII, No 2,  
1961, pp 147-148.

JPRS 4869

Sergey Dmitriyevich Ternovskiy, 4 pp.  
RUSSIAN, per, Ortopediya, Travmatologiya i  
Protezirovaniye, No 2, 1961, pp 93-94.

JPRS 4869

Vsevolod Mavrikiyevich Klechkovskiy, 4 pp.  
RUSSIAN, per, Pochvovedeniye, No 3, 1961,  
pp 113-115.

JPRS 4869

Nikolay Dmitriyevich Zelinskiy, by  
N. I. Shuykin, 11 pp.  
RUSSIAN, per, Zhur Obshch Khim, Vol XXXI,  
No 1, 1961, pp 1-8.

JPRS 4869

## EASTERN EUROPE

### Economic

Albania, A Physical and Economic Survey,  
by Pandi Geco, 195 pp.

ALBANIAN, bk, Shoiperia, Pamje Fiziko-  
Ekonomike, 1959, pp 1-233.

JPRS 9945

Basic Tasks of the Bulgarian Investment  
Bank in 1961, by Krustyu Danov, 9 pp.

BULGARIAN, per, Finansi i Kredit, Vol LXI,  
No 1, February 1961, pp 11-17.

JPRS 10028

Loans for Small-Scale Mechanization and for  
Expanding the Production of Consumer Goods,  
by Pavel Slavchev, 10 pp.

BULGARIAN, per, Finansi i Kredit, Vol LXI,  
No 1, February 1961, pp 39-46.

JPRS 10028

Report on the January Meeting of the  
Collegium of the Ministry of Finance,  
by K. P., 3 pp.

BULGARIAN, per, Finansi i Kredit, Vol LXI,  
No 1, February 1961, pp 60-61.

JPRS 10028

Personal and Collective Material Incentives  
for Technical Development, by Ivan Iliev,  
29 pp.

BULGARIAN, per, Ikonomicheska Misul, Vol VI,  
No 3, 1961, pp 30-43.

JPRS 9941

Loans for Operating Means to Non-Seasonal  
Industrial Enterprises, by Metodi Yanchulev,  
15 pp.

BULGARIAN, per, Ikonomicheska Misul, Vol VI,  
No 4, 1961, pp 43-54.

JPRS 9976

Regulation Covering the Organization, Tasks  
and Operation of the State Inspectorate on  
the Quality of Export Goods at the Ministry  
of Foreign Trade, 5 pp.

BULGARIAN, per, Izvestiya na Prezidiuma na  
Narodnoto Subranie, Vol XII, No 10, 3 Feb 1961,  
pp 3, 4.

JPRS 8155

Planned Economic Development and the World  
Socialist System, by Nikola Vulev, 13 pp.

BULGARIAN, per, Planovo Stopanstvo i  
Statistika, Vol XVI, No 3, 1961, pp 3-17.

JPRS 8732

Eastern Europe  
Economic (Contd)

The Electrification of Railroad Transport  
as a Factor in Improving the Power Balance,  
by Khristo Kotsev, 15 pp.

BULGARIAN, per, Planovo Stopanstvo i Statistika,  
Vol XVI, No 3, 1961, pp 18-32.

JPRS 8732

Problems of Planning the Real Income of the  
Population, by Grudi Zhelev, 17 pp.

BULGARIAN, per, Planovo Stopanstvo i  
Statistika, Vol XVI, No 3, 1961, pp 43-57.

JPRS 8732

Development of Television and FM Broad-  
casting in Bulgaria, by Iv. Andreyev,  
P. Pavlikyanov, 6 pp.

BULGARIAN, per, Radio i Televiziya, Vol LXI,  
No 2, 1961, p 39.

JPRS 9941

The Supply of Inexpensive, Good-Quality Inert  
Materials for Construction, by Todor Kolev,  
7 pp.

BULGARIAN, per, Stroitel, No 7, 15 Feb 1961,  
pp 1, 2.

JPRS 9941

The Use of Mechanical Equipment in Construc-  
tion, by Petko Matov, 17 pp.

BULGARIAN, per, Stroitel, No 8, 22 Feb 61,  
p 2.

JPRS 9941

Selected Articles From the Bulgarian  
Periodical Vunshna Turgoviya.

No 3, 1961, pp 3-5.

The Goods Exchange Between Bulgaria and  
Poland, by Rusi Rusanof, 4 pp.

JPRS 4933

No 4, 1961.

Bulgaria's Fruit and Vegetable Exports,  
by Boris Hristof, 9 pp, (pp 3-6).

JPRS 4892

The Structure of Bulgarian Exports to  
Western Europe, by Ivan Kutev, 8 pp,  
(pp 6-10).

JPRS 4933

How to Open Letters of Credit for Imports,  
by Stefan Hadzief, 4 pp, (pp 25-26).

JPRS 4892

Eastern Europe  
Economic (Contd)

Selected Articles From the Bulgarian  
Periodical Vunshna Turgoviya. (Contd)

No 6, 1961.

The Goods Exchange Between Bulgaria and  
the Member Countries of CEMA During 1961,  
by Aleksandur Kasabov, 11 pp, (pp 3-7).

JPRS 4933

Selected Articles From the Croatian  
Periodical Finansije, Vol XVI, No 4, 1961.

JPRS 10019

Tax Shifting, by Radomir Radovanovic,  
25 pp, (pp 217-233).

Principles and Certain Changes in the  
Taxation of Citizens During 1961, by  
Marko Durbabic, 22 pp, (pp 233-246).

The Execution of the Federal Budget  
During 1960, by Nada Katanic, 18 pp,  
(pp 247-258).

The Administrative Accounting Dispute on  
the Occasion of an Inspection of the  
Final Account of an Economic Organization,  
by Milorad Drenjanin, 32 pp, (258-276).

The Obligation to Pay Through a Bank and  
Payment by Means of Bills of Exchange  
(Drafts) and Compensation, by D. Velizaric,  
8 pp, (pp 280-284).

Postal, Telegraph, and Telephone Traffic in  
1957-1960 and the New Organization of the Postal,  
Telegraph, and Telephone Service, 18 pp.  
CROATIAN, per, Jugoslovenski Pregled, Vol V,  
No 1, 1961, pp 18-23.

JPRS 10028

Consumer Credits, by D. V., 13 pp.  
CROATIAN, per, Jugoslovenski Pregled, Vol V,  
No 1, 1961, pp 23-26.

JPRS 10028

Changes in the System of Currency and  
Foreign Trade, 12 pp.  
CROATIAN, per, Jugoslovenski Pregled, 1961,  
pp 163-167.

JPRS 4918

**Eastern Europe**  
**Economic (Contd)**

The Struggle of Two Opposing Tendencies in the Industry of the Underdeveloped Countries, by Janez Stanovnik, 19 pp.

CROATIAN, per, Nasa Stvarnost, No 3, 1961, pp 271-294.

JPRS 4918

Memorandum on Inspection Examination From the Administration of Inspection, by

H. Krstic, J. Baltic, 21 pp.

CROATIAN, per, Nova Administracija, Vol IX, No 4, 1961, pp 346-358.

JPRS 9976

Recent Changes in the Law on Work Relationships, by Dj. Radivojevic, 11 pp.

CROATIAN, per, Nova Administracija, Vol IX, No 4, 1961, pp 359-363.

JPRS 9976

Mass Production of Construction Materials Is the Basis for the Further Development of Construction, by Joze Valentincic, 7 pp.

CROATIAN, per, Tesla, Vol VIII, No 1, 1961, pp 9-13.

JPRS 8762

Labor Productivity in the Social Plan for Economic Development From 1961-1965, by Stjepan Han, 5 pp.

CROATIAN, per, Tesla, Vol VIII, No 1, 1961, pp 21-24.

JPRS 8762

Diesel and Electric Traction on Yugoslav Railroads, by Miroslav Zah, 6 pp.

CROATIAN, per, Zeleznice, No 7/8, 1961, pp 42, 43.

JPRS 9977

The State Planning Commission in Czechoslovakia, by Rudolf Lavicka, Josef Toman, 125 pp.

CZECH, bk, Nova Organizace Planovani Narodniho Hospodarstvi, 1959, pp 54-117.

JPRS 9946

Improvements to Meet the Planned Tasks of 1961, 4 pp.

CZECH, np, Ceskoslovensky Hornik, 10 Nov 1960, p 1.

JPRS 4930



**Eastern Europe  
Economic (Contd)**

Analyses of the Economy of National Committees,  
by Miroslav Koudelka, 9 pp.  
CZECH, per, Finance a Uver, No 11, 1960,  
pp 633-637.

JPRS 9947

Results of Shortened Work Week in Coal  
Mines, 5 pp.  
CZECH, per, Hospodarske Noviny, May 1961,  
p 4.

JPRS 4915

Export Shipments -- Opinions and Suggestions  
From the V. I. Lenin Works in Plzen,  
Czechoslovakia, by Oldrich Ohlidka, 4 pp.  
CZECH, per, Hospodarske Noviny, No 19, 1961,  
p 8.

JPRS 4856

List of Czechoslovak Petroleum Products,  
6 pp.  
CZECH, per, Ropa a Uhlie, Vol II, No 11,  
1960, pp 336-337.

JPRS 4863

Development of the Industry of Fuels and  
Chemical Processing of Petroleum Until the  
Year 1980, by B. Valdauf, 3 pp.  
CZECH, per, Ropa a Uhlie, Vol III, No 2, 1961,  
pp 33-34.

JPRS 4899

List of Czechoslovak Petroleum Products,  
8 pp.  
CZECH, per, Ropa a Uhlie, No 3, 1961,  
pp 80-81.

JPRS 4863

List of Czechoslovak Petroleum Products,  
5 pp.  
CZECH, per, Ropa a Uhlie, Vol III, No 4,  
1961, pp 112-113.

JPRS 4930

Evolutionary Course That Czech Auto  
Repairs Will Travel in the Next Few  
Years, 4 pp.  
CZECH, per, Silnicni Doprava, No 6,  
1959.

ACSI H-9273  
ID 2170445

State of Development of Economical  
Austenitic Steels of the CrMnNiN Type,  
by K. Hybek, J. Solc, M. Zezulova.  
CZECH, per, Strojirenstvi, Vol XI, No 4,  
1961, pp 275-282.

MT 191

Eastern Europe  
Economic (Contd)

Considerations of the Balance of Coal Reserves  
in the Ostrava-Karvina Coal District, by  
Jan Polan, 9 pp.  
CZECH, per, Uhli, Vol III, No 1, 1961, pp 6-9.

JPRS 4915

The Development of a Fuel Base in the  
Czechoslovak Socialist Republic, by  
Karel Bystricky, Vladmimir Farka, 8 pp.  
CZECH, per, Uhli, Vol III, No 1, 1961,  
pp 24-27.

JPRS 4930

Now to Economize on Energy, 6 pp.  
CZECH, per, Uhli, Vol III, No 3, 1961,  
pp 73-74, 102.

JPRS 4899

Railroad Transport Services in the Third  
Five-Year Plan, by F. Roztocil, 8 pp.  
CZECH, per, Zeleznicar, No 10, 1960,  
pp 256-257.

JPRS 9977

Jointless Rails in Czechoslovakia and  
Abroad, by Vladimir Technik, 4 pp.  
CZECH, per, Zeleznicar, No 10, 1960,  
p 258.

JPRS 9977

Preparing for Motorization, by S. Hovoka,  
4 pp.  
CZECH, per, Zeleznicar, No 10, 1960, p 259.

JPRS 9977

The Plastic Materials Industry in Czecho-  
slovakia, 4 pp.  
FRENCH, per, Technique et Commerce Est-Ouest,  
Vol VII, No 34, 1961, pp 38-40.

JPRS 4856

Eastern Europe  
Economic (Contd)

Technical Data Concerning the Demonstrate  
Material of the Oerlikon-Contraves Firm,  
24-25 September 1959, 13 pp.  
GERMAN, rpt.

USASIA: H-6545-A

East German Ceramic Capacitor Industries,  
26 pp.  
GERMAN, rpt.

USASIA: H-6575

The Present Status of Scientific-  
Research Work in the Field of Improve-  
ment of Tire Quality and the Economic  
Level of Tire Production, 91 pp.  
GERMAN, rpt, Der Gegenwartige Stand der  
Wissenschaftlichen Forschungsarbeiten  
am Gebiete der Steigerung der Reifenbeschaf-  
fenheit und des Okonomischen Niveaus der  
Reifenproduktion, Feb 1960, 90 pp. 9670257

FTD F-TS-9997/V

The Economic Profile of Branches of Industry  
as an Instrument of Management and Planning,  
by Achim Wolf, Wolfgang Zoellner, (SF-1855).  
GERMAN, pamphlet, Die Industriezweigoeconomik  
Ein Instrument der Leitung und Planung, 1961,  
pp 1-74.

\*JPRS

Fuels and Lubricants in Agriculture, by  
Wilhelm-Sibrand Scheel, 41 pp.  
GERMAN, bk, Kraft-und Schmierstoffe in  
der Landwirtschaft, 1958.

QMIA 023

Private Retail Trade and Socialist Develop-  
ment, by Hans Rossler, 83 pp.  
GERMAN, brochure, Privater Einzelhandlung und  
Sozialistische Entwicklung, 1960, pp 13-27,  
40-75.

JPRS 9935

1959 Annual Report on the Bituminous Coal  
Mining Association.  
GERMAN, rpt, Steinkohlenbergbauverein  
Jahresbericht, 1959, pp 38-39, 111-128.

Dept of Interior  
TN7 E57 No 379

Socialist Reconstruction of Industry and  
International Economic Relations, by  
U. Nitzsche, 5 pp.  
GERMAN, per, Der Aussenhandel, No 11, 1961,  
pp 32-33.

JPRS 4918

Eastern Europe  
Economic (Contd)

Wage-Fund Control Is a Part of the  
Complex Banking Control, by  
Harald-Dietrich Kuehne, 7 pp.  
GERMAN, per, Deutsche Finanzwirtschaft,  
Vol XI, No 11, Jun 1961, pp G 204-205.

JPRS 9947

Socialist Community Work in Airplane  
Construction, by Karl-Heinz Koehler, 5 pp.  
GERMAN, per, Deutsche Flugtechnik, Vol IV,  
No 12, 1960, pp 353-356.

JPRS 4908

The Application Possibilities of Aircraft  
Power Plants in the Production of Peak  
Load Electric Power, by H. Trimbuch, 11 pp.  
GERMAN, per, Deutsche Flugtechnik, Vol V,  
No 5, 1961, pp 165-173.

JPRS 4915

Some Problems of Economic Cooperation  
Between the German Democratic Republic  
and the Socialist Sister Countries, by  
Kurt Opitz, 13 pp.  
GERMAN, per, Einheit, Vol XVI, No 4, 1961,  
pp 588-600.

JPRS 4892

Telemetering Equipment for the East German  
Power Economy, by H. Junker, 9 pp.  
GERMAN, per, Energietechnik, Vol XI, No 2,  
1961, pp 53-57.

JPRS 10028

Leipzig Spring Fair 5-14 March 1961 Fair  
Preview: Machine Tools, by B. Hopfe, 8 pp.  
GERMAN, per, Der Maschinenbau, No 2, 1961,  
pp 85-86.

JPRS 4856

Eastern Europe  
Economic (Contd)

Retrospect and Outlook in the Raw Materials  
and Building Industries, by Kurt Wagner,  
4 pp.

GERMAN, per, Standardisierung, No 1, 1961,  
pp 1/1-1/2.

JPRS 4915

Economic Utility and Prices in the German  
Democratic Republic, by Walter Heisel,  
14 pp.

GERMAN, per, Wirtschaft, Vol IX, No 5,  
pp 737-746.

JPRS 9947

Rich Fruit of International Cooperation  
in the Field of Building, by Gerhard Kosel,  
4 pp.

GERMAN, per, Wirtschaft, Vol XVI, No 18,  
1961, p 8.

JPRS 4918

The Local Economy and Cooperation Among the  
Socialist Countries, by Kirschey, 5 pp.

GERMAN, per, Wirtschaft, No 22, 1961, p 9.

JPRS 4933

One of the Largest Gas Outbreaks in  
Hungarian Mining, by Laszlo Kun,  
Karoly Koncsag, 5 pp.

HUNGARIAN, per, Banyaszati Lapok, Vol XCIV,  
No 4, 1961, pp 229-238.

JPRS 10028

Eastern Europe  
Economic (Contd)

Tasks for the Machine Industry, by  
Endre Bakonyi Sebestyen, 11 pp.  
HUNGARIAN, per, Gep, Vol XIII, No 1,  
1961, pp 3-6.

JPRS 10028

Products of the Budapest Transmission  
Machine Factory, by Alfred Schnell, 3 pp.  
HUNGARIAN, per, Gep, Vol I, No 1, 1961,  
pp 11-12.

JPRS 4856

The Problems of Centralization and Decentraliza-  
tion, by Adam Schmidt, 9 pp.  
HUNGARIAN, per, Ipargazdasag, Vol XIII, No 4,  
1961, pp 25-29.

JPRS 8762

The Development of the Clothing Industry,  
by J. E., 9 pp.  
HUNGARIAN, per, Ipargazdasag, Vol XIII, No 4,  
1961, pp 35-37.

JPRS 8762

Motor Production and the Motor-Vehicle  
Industry, by Aurel Jurek, 4 pp.  
HUNGARIAN, per, Jarmuvek Mezogazdasagi Gepek,  
Vol VIII, No 1, 1961, pp 8-10.

JPRS 8762

Railroad Cars, by Bela Fuzessery, 3 pp.  
HUNGARIAN, per, Jarmuvek Mezogazdasagi Gepek,  
Vol VIII, No 1, 1961, pp 11, 12.

JPRS 8762

Aviation Engineering, by Guido Rudnai,  
4 pp.  
HUNGARIAN, per, Jarmuvek Mezogazdasagi Gepek,  
Vol VIII, No 1, 1961, pp 13-14.

JPRS 8762

Automatic Regulation and Control Equipment  
at the Blast Furnaces of the Danube Ironworks,  
by Sandor Balogh, 14 pp.  
HUNGARIAN, per, Kohaszati Lapok, Vol XCIV,  
No 3, 1961, pp 129-134.

JPRS 8762

The Development of the Standard of  
Living During the Three-Year Plan, by  
Istvan Dobos, 22 pp.  
HUNGARIAN, per, Koszigazdasagi Szemle,  
Vol VIII, No 3, 1961, pp 257-.

JPRS 10028

Eastern Europe  
Economic (Contd)

Technical Development Problems of Electric Power Economy, by Bela Havas, 32 pp.  
HUNGARIAN, per, Villamossag, Vol IX, No 1-3, 1961, pp 23-31.

JPRS 9941

Aluminum-Sheathed Electric Power Cables, by Dezso Banki, 9 pp.  
HUNGARIAN, per, Villamossag, Vol IX, No 6, 1961, pp 155-160.

JPRS 4893

Agreement Between the Governments of the Union of Soviet Socialist Republics, the People's Republic of Bulgaria, and the Rumanian People's Republic Concerning the Fisheries of the Black Sea, 7 pp.  
ITALIAN, rpt, 1961.

Dept of Interior  
SH1 F83 No 6

Selected Information on Polish Agricultural Production, 42 pp.  
POLISH, Brochure, Statystyka Polski, Book 38, Jul 1960, pp 5-12, Tables 3-a, 5-2, 7, 14, 15, 16.

JPRS 8766

Tasks of Highways in the 1961-1965 Five-Year Plan, by Francisek Korycinski, 17 pp.  
POLISH, per, Drogownictwo, Vol XVI, No 3, March 1961, pp 52-59.

JPRS 8732

Analysis of Industrial Power Plants, by Hugon Stanczyk, 14 pp.  
POLISH, per, Energetyka, Vol XV, No 2, 1961, pp 45-49.

JPRS 10028

First Conclusions on Investment Revision, by Zbigniew Madej, 8 pp.  
POLISH, per, Finanse, Vol XI, No 11, 1960, pp 1-7.

JPRS 8155

Bank Control of Purchases of Machines and Equipment for Investment Purposes, by Tadeusz Baranski, 4 pp.  
POLISH, per, Finanse, Vol XI, No 11, 1960, pp 8-11.

JPRS 8155

Credit System for Financing Farmers, by Romuald Harasimowicz, 11 pp.  
POLISH, per, Finanse, Vol XI, No 11, 1960, pp 12-20.

JPRS 8155

Eastern Europe  
Economic (Contd)

Selected Articles From the Polish  
Periodical Handel Zagraniczny.

JPRS 9966

Vol VI, No 1, 1961.

Development Trends of Polish Foreign  
Trade in Industrial Raw Materials and  
Subsidiary Goods, by Piotr Czerwinski,  
16 pp, (pp 19-23).

Prices in the Socialist Market, by  
Miroslaw Orlowski, 8 pp, (pp 24-26).

Vol VI, No 2, 1961.

Technical Progress in Production, a  
Condition of Developing Investment Exports,  
by Henryk Piklikiewicz, 13 pp, (pp 53-57).

An Increase in Labor Productivity, by  
Witold Slawinski, 7 pp, (pp 58-60).

Animal Product Exports in 1960, by  
Jaroslaw Litwinowicz, 5 pp, (pp 62, 63).

Urban Housing Construction at the  
Beginning of the New Five-Year Plan,  
by Robert Marowski, 12 pp.  
POLISH, per, Investycje i Budownictwo,  
Vol XI, No 5, 1961, pp 7-11.

JPRS 9977

Prices of Industrialized Construction in  
Poland and the USSR, by Kazimierz Miecznikowski,  
18 pp.  
POLISH, per, Investycje i Budownictwo, Vol XI,  
No 5, 1961, pp 11-16.

JPRS 9977

Cultivating and Tilling Machinery, 4 pp.  
POLISH, per, Mechanizacja Rolnictwa, No 2,  
1961, p 2.

JPRS 8732

Test Results of Polish Vehicle "ZUBR A-80",  
8 pp.  
POLISH, per, Motoryzacja, Vol XVI, No 4,  
1961, pp 89-91.

JPRS 4893

Experiences and Conclusions From the First  
Stage of the Review of Investments, by  
Jerzy Bogusz, 18 pp.  
POLISH, per, Nowe Drogi, Vol XV, No 4,  
May 1961, pp 28-39.

JPRS 9947



Eastern Europe  
Economic (Contd)

Intensification of Sale of Industrial Goods, by Mieczyslaw Lesz, 12 pp.  
POLISH, per, Nowe Drogi, Vol XV, No 6, 1961, pp 10-17. ;

JPRS 9977

Selected Articles From the Polish Periodical Nowe Rolnictwo, Vol X, No 5, 1 Mar 1961.

JPRS 9966

Problems of Increased Crop Production, by St. Gucwa, 11 pp, (pp 1-4).

Plant Breeding and Seed Production Law, by T. Kraus, 3 pp, (p 5).

Plant Breeding Methods, by J. Lekczynska, St. Starzycki, 13 pp, (pp 6-12).

Plant Breeding and Seed Production Association (ZHRIN), by K. Gawlowski, 9 pp, (pp 13-15).

Agricultural Circles as Organizers of Regulated Seed Production in Villages, by B. Stepowicz, 7 pp, (pp 20-22).

Production of Sugar Beet Seed, by K. Michalski, 5 pp, (pp 35, 36).

Garden and Nursery Seeds Center, by F. Prejbisz, 5 pp, (pp 40, 41).

Polish Political and Economic Interests in Africa, 6 pp.  
POLISH, per, Polityka, Vol V, No 6, 11 Feb 1961, pp 1, 10.

JPRS 8155

The New Rectifier Station in Skawina Aluminum Plant, by Eliodor Urbanowicz, 13 pp.  
POLISH, per, Przegląd Elektrotechniczny, Vol XXXVII, No 3, 1961, pp 128-132.

JPRS 9966

Review of Published Material on the Improvement of Banking Control in the Area of Investment, 6 pp.  
RUMANIAN, per, Finante si Credit, Vol VII, No 6, 1961, pp 90-94.

JPRS 9947

Eastern Europe  
Economic (Contd)

The Blaj Wood Industry Combine, by  
N. Ivanescu, 15 pp.  
RUMANIAN, per, Industria Lemunuiui, No 5,  
1961, pp 171-175.

JPRS 9977

On the Classification of Agricultural  
Tractors, by Chiriac Vasiliu, 7 pp.  
RUMANIAN, per, Mecanizarea si Electrificarea  
Agriculturii, Vol VI, No 2, 1961, pp 32-35.

JPRS 4908

The Building of Source-Units of Hydroelectric  
Power in the Bulgarian People's Republic, by  
Stephen Nikolov, 22 pp.  
RUSSIAN, per, Gid Stroitel, No 5, 1961,  
pp 48-55.

JPRS 4800

Selected Articles From the Rumanian Periodical  
Metalurgia si Constructia de Masini.

Vol XII, No 8, 1960.  
Rolling Stock and Ships, by Radu Tudor,  
7 pp, (pp 674-679).

JPRS 8155

Use of Production Capacities in Rumanian  
Machine Building Industry, 9 pp, (pp 680-684).

Vol XIII, No 1, 1961.  
Importance of the Careful Management With  
the Furnace Gas in Iron Works, by  
Oscar Klockl, 10 pp, (pp 54-57).

JPRS 8762

Some Constructions With Regard to the  
Choice of Machine Tools for the Moderniza-  
tion, Re-Equipment and Construction of  
Processing Workshops, by Radu Radulescu,  
4 pp, (pp 58, 59).

Development of the Cement Industry in the  
Long-Term Plan of the Rumanian People's  
Republic, by A. Medvetchi, (DC-6305).  
RUMANIAN, per, Revista Constructiilor si a  
Materialelor de Constructii, Vol XIV, No 5,  
1961, pp 255-260.

\*JPRS

Eastern Europe  
Political

New Stage of Socialist Construction in  
Albania, by Su Shan, 5 pp.  
CHINESE, per, Shih-chieh Chih-shih,  
No 4/5, 1961, pp 18-19.

JPRS 4848

Brave City on the Shore of the Adriatic  
Sea, by Hsu Hsiung, 4 pp.  
CHINESE, per, Shih-chieh Chih-shih,  
No 4/5, 1961, p 26.

JPRS 4848

Economic Consequences of Disarmament,  
by Helmut Koziolk, 17 pp.  
GERMAN, per, Einheit, No 6, 1961,  
pp 946-953.

JPRS 8809

Mao Tse-tung As Ideologist, by E. Knux,  
15 pp.  
GERMAN, np, Neue Zuercher Zeitung,  
28, 29 Oct 1960.

JPRS 8803

Eastern Europe  
Military

On the Amortization of Means of  
Production of Enterprises Producing  
for Specific Needs of Yugoslav Armed  
Forces, 4 pp.

CROATIAN, per, Sluzbeni List FNRJ, No 9,  
8 Mar 1961, p 189; Encl 1 to 173-61 to  
USNA, Belgrade, 31 Jul 1961.

Dept of Navy  
ONI 5125106

Training in the Field, by Lt Colonel  
Stefan Davidov, 5 pp.  
BULGARIAN, per, Bulgarski Voin, No 4,  
1959, pp 1-3.

USASIA: SC-224/60

Missions and Armament of the Armored  
Carrier, by Ante Bacinic, 4 pp.  
CROATIAN, np, Vojni Glasnik, No 11,  
pp 41-46.

ACSI H-2537  
ID 2170490

Concerning the Accident of the Czechoslovak  
Aircraft at Casablanca: Startling Circum-  
stances, 3 pp.  
CZECH, Encl to Desp 32, AmEmbassy, Prague,  
25 Jul 1961.

Dept of State

Problems of Contemporary Antiaircraft  
Defense, 4 pp.  
POLISH, np, Zolnierz Wolnosci, 1, 2 Jul  
1961.

AF 1489319

Eastern Europe  
Geographic

Soviet-Hungarian Discussions in Connection With the Preparation of the Economic Geography Volume of the Monograph Entitled "The Geography of Hungary," by Enyedi Asztalos, (DC-6304).  
HUNGARIAN, per, Foldrajzi Ertesito, Vol IX, No 3, 1960, pp 380-391.

\*JPRS

The Development and the Forms of the Relief of the Western Part of the Matra Mountains, by Andras Szekely, (NY-6700).  
HUNGARIAN, per, Foldrajzi Kozlemenyek, Vol VIII, No 3, 1960, pp 251-275.

\*JPRS

By Canoe Through the Mazurs and Warmia, by J. Kuran, S. Czajkowski, 158 pp.  
POLISH, bk, Kajakiem Po Mazurach i Warmii, 1956, pp 12-22; 65-394.

ACSI H-9196  
ID 2032350

By Canoe Over the Waterways of Western Pomerania, by Z. Wrzesniowski, 61 pp.  
POLISH, bk, Kajakiem po Wodach Pomorza Zachodniego, 1955.

ACSI H-9276  
ID 2052824

Eastern Europe  
Sociological

Organization and Tasks of Trade Union  
Organizations in Bulgaria, (DC-6306).  
BULGARIAN, bk, Spravochnik na Aktivista,  
1959, pp 743-754.

\*JPRS

Several Problems of the University Insti-  
tutes, by Kiril Miljevski, 7 pp.  
CROATIAN, per, Danas, Vol II, No 1/2,  
1961, pp 19-24.

JPRS 8808

Half a Million Pioneer Co-op Workers, by  
B. Milivojcev, 6 pp.  
CROATIAN, per, Drustvo i Vaspitanje,  
No 3, 1961, pp 4-7.

JPRS 8784

Problems of Families Who Have Emigrated  
From Villages to Industrial Centers, by  
Erna Mulahalilovic, 12 pp.  
CROATIAN, per, Drustvo i Vaspitanje,  
No 3, 1961, pp 8-14.

JPRS 8784

Health Services in 1960, 7 pp.  
CROATIAN, per, Jugoslovenski Pregled,  
Mar 1961, pp 133, 134.

JPRS 8784

Education and Culture in 1960, 11 pp.  
CROATIAN, per, Jugoslovenski Pregled,  
Mar 1961, pp 135-138.

JPRS 8784

Some Data on Previous Work of the  
Advanced Schools of Administration,  
by Mirko Stanisic, 13 pp.  
CROATIAN, per, Nova Administracija, No 3,  
1961, pp 243-250.

JPRS 8808

The New System of Financing Schools,  
8 pp.  
CROATIAN, per, Prosvetna Dokumentacija,  
No 1, 1961, pp 3-10.

JPRS 8808

Education in the Republics, 3 pp.  
CROATIAN, per, Prosvetna Dokumentacija,  
No 1, 1961, pp 17-19.

JPRS 8808

Universities and Faculties, 17 pp.  
CROATIAN, per, Prosvetna Dokumentacija,  
No 2/3, 1961, pp 9-26.

JPRS 8808

Eastern Europe  
Sociological (Contd)

Enforcement of the Common Law on the  
Organization of the Health Service, by  
Moma Markovic, 17 pp.  
CROATIAN, per, Socijalna Politika, No 4,  
1961, pp 347-361.

JPRS 8784

Immediate Goals and Work Methods of the  
Employment Service, by Sreten Obradovic,  
9 pp.  
CROATIAN, per, Socijalna Politika, No 4,  
1961, pp 362-369.

JPRS 8784

The Application of the Law on Disability  
Insurance, by Milenko Trifunovic, 12 pp.  
CROATIAN, per, Socijalna Politika, No 4,  
1961, pp 370-379.

JPRS 8784

Decisions and Activities of the University  
of Zagreb, 10 pp.  
CROATIAN, per, Sveucilisni Vjesnik,  
15 May 1961, pp 90-94, 96, 118-120, 122,  
134-135.

JPRS 8784

Several Problems Related to the Organization  
of Scientific Work in Universities, by  
Milovan Jovanovic, 3 pp.  
CROATIAN, per, Univerzitet Danas, No 1/2,  
1961, pp 25-27.

JPRS 8808

How and Why They Write, by Jindrich  
Hanzal, 6 pp.  
CZECH, per, Kridla Vlasti, pp 2, 3.

ACSI H-8761  
ID 2163959

Discussion on Ethics and Aesthetics in  
Rumanian Literary Weekly, by Mihai Novicov,  
7 pp.  
RUMANIAN, np, Gazeta Literara, Vol VIII,  
No 11, 9 Mar 1961, pp 1, 6, 12,  
16 Mar 1961, p 3.

JPRS 10097

Rumanian Textbook on Literary Theory  
Criticized by Cultural Weekly, by  
Monica Lazar, 5 pp.  
RUMANIAN, np, Tribuna, No 12, 23 Mar 1961,  
p 2.

JPRS 10099

Eastern Europe  
Sociological (Contd)

The Development of Medical Science in  
the GDR, by Kurt Winter, 13 pp.  
RUSSIAN, per, Sovet Zdravookhraneniye,  
Vol XX, No 4, 1961, pp 63-65.

JPRS 9721

Health Protection of Mothers and Children  
in the Villages, by V. Cupic, L. Vrtipraski,  
I. Milinkovic, Zh. Cika, 8 pp.  
SERBIAN, per, Socijalna i Zdravstvena  
Politika, No 3/4, 1961, pp 11-19.

JPRS 8808

Several Organizational Problems of the  
Worker's Employment Service, by Vladimir  
Petkovic, 4 pp.  
SERBIAN, per, Socijalna i Zdravstvena  
Politika, No 3/4, 1961, pp 19-22.

JPRS 8808

Certain Aspects of Absenteeism Due to  
Temporary Work Incapacity, by  
Bozidar Djordjevic, 9 pp.  
SERBIAN, per, Socijalna i Zdravstvena  
Politika, No 3/4, 1961, pp 23-31.

JPRS 8808

Biographic

Yugoslav Doctorate Degree in Science and  
Doctoral Dissertations in 1959-1960, by  
M. I. F., 29 pp.  
CROATIAN, per, Jugoslovenski Pregled,  
No 2, 1961, pp 73-80.

JPRS 8670

Scientific Developments and Personalities  
in Hungary, 35 pp.  
HUNGARIAN, per, Magyar Tudomány, Vol VI,  
No 3, pp 183-190, 200-203; No 4, pp 237-240,  
249-256, 1961.

JPRS 9730

Hungarian Kossuth-Prize Winning Scientists  
for 1960, 5 pp.  
HUNGARIAN, np, Nepszabadsag, No 69,  
21 Mar 1961, p 7.

JPRS 10096



NORTHERN EUROPE

Economic

The Waste Water Processing Plant at  
Eiby Molle of Odense Commune, by  
C. E. Vested, H. V. R., 3 pp.  
DANISH, per, Stads-og Havneingenioren,  
1960, pp 149-150, (Call No TA4  
S77 V51, No 11 E Tr)

AMS

The Water Supply for the Odense Area,  
by C. E. Vested, H.V.R., 3 pp.  
DANISH, per, Stads-og Havneingenioren,  
1960, p 160. (Call No TA4 S 77  
V 51, No 11 E Tr)

AMS

Iceland's Transportation System, by  
Kurt Riedel, 9 pp.  
GERMAN, per, Internationales Archiv  
fur Verkehrswesen, Apr 1961, pp 118-122.  
(Call No HE 5, I6I V 13, No 4, E Tr).

AMS

Announcement of State Trade Licensing  
Board (No 43), 17 pp.  
SWEDISH, Encl 1 to Desp 23, AmEmbassy,  
Stockholm, 7 Jul 1961, Embtel 6, 3 Jul 1961.

Dept of State

100th Anniversary of Trelleborg Harbor:  
New Turnover Record, 4 pp.  
SWEDISH, bulletin, Hamn Och Hav, 1960;  
Encl 1 to 171-61 to USNA, Stockholm,  
11 Aug 1961.

Dept of Navy  
ONI 5126850

Vasteras Harbor and the Sodertalje Canal,  
5 pp.  
SWEDISH, per, Sveriges Flotta, No 4, 1961,  
p 59; Encl to 175-61 to USNA, Stockholm,  
16 Aug 1961.

Dept of Navy  
ONI 5126853

Northern Europe  
Political

Danish Home Guard Law of 31 May 1961,  
7 pp.  
DANISH, rpt, Encl 1 to R-169-61, OUSARMA,  
Copenhagen, Denmark, 31 May 1961.

ID 2177594

Marxist Editor Norlund on Danish Social  
Democratic Draft Program, by Ib Norlund,  
11 pp.  
DANISH, per, Tiden, Vol XXII, No 2, 1961,  
pp 41-48.

JPRS 8879

The Finnish People's Democratic League and  
Its Relationship to the Finnish Communist  
Party, by Yrjo Enne, 4 pp.  
FINNISH, np, Kansan Uutiset, No 89,  
2 Apr 1961, pp 6, 7.

JPRS 8879

Military

Finnish Minister of Defense Orders Regarding  
Use of Garrison Uniform, 4 pp.  
FINNISH, per, Aliupseeri, No 6/7, 1960,  
pp 184, 185.

QMIA 008

Protection Instruction for the Armed Forces,  
60 pp.  
SWEDISH, pamphlet, Skyddsinstruktion for  
Krigsmakten, 1960, pp 24-28, 67-91, 92-113,  
57, 120-121, 132.

JPRS 8700

FOA 1.  
SWEDISH, per, En Informationsskrift Fran  
Forsvarets Forskningsanstalt, Encl 1 to  
R-41-61, pp 13-18.

\*ACSI H-2946  
ID 2154378

The Soviet and the North Flank, by T. Wulf,  
4 pp.  
SWEDISH, per, Handels and Sjöfarts Tidning,  
11 Jul 1961; Encl 1 to 162-61 to USIA,  
Stockholm, 26 Jul 1961.

Dept of Navy  
ONI 5125054

New Intenditure Equipment, 2 pp.  
SWEDISH, per, Svensk Intenditur Tidskrift,  
No 10, 1960, pp 243-246.

QMIA O.I. 5800 (004)

Northern Europe  
Geographic

The Survey Branch in Finland in the  
Years 1958-1960, by J. Ollila, 17 pp.  
FINNISH, per, Teknillinen Aikakauslehti  
1961, pp 116-127. (Call No T4.T267, Vol 51,  
No 5, E Tr)

AMS

The Automatic Coordinatography, by  
J. Ollila, 1 p.  
FINNISH, per, Teknillinen Aikakauslehti  
1961, p 150. (Call No T4.T267, Vol 51,  
No 5, E Tr)

AMS

On Aerial Triangulations, by J. Ollila.  
p 1.  
FINNISH, per, Teknillinen Aikakauslehti  
1961, p 150. (Call No T4.T267, Vol 51,  
No 5, E Tr)

AMS

Sociological

Geographical Institute of the University  
of Copenhagen, 11 pp.  
DANISH, rpt, Københavns Universitet-  
Geografisk Institut-Arbejdning 1960,  
1961, pp 2, 7, 8-17.

JPRS 8811

Finnish War Veteran's Trip to the American  
Continent, by Veikko Hintikka, 3 pp.  
FINNISH, np, Sotainvalidi, Vol XXII, No 4,  
1961, p 11.

JPRS 8772

Annual Report of Sweden's Atomic Energy  
Company 1960, 19 pp.  
SWEDISH, rpt, Aktiebolaget Atomenergi  
Verksamheten 1960, 1961, pp 1-17.

JPRS 8810

NEAR EAST/AFRICA

Economic

National Income and Product Accounts of  
Iraq, 1956-1960, by Sami Abdul Jalil,  
55 pp.

ARABIC, Encl 1 to Desp 53, AmEmbassy,  
Baghdad, 19 Jul 1961, CERP: B-101.

Dept of State

Government Aid to Agriculture, by Sayyed  
Mar'i, 5 pp.

ARABIC, np, Al-Akhbar, No 2756, 7 May 1961,  
pp 3, 6.

JPRS 8802

President Leon Mba's Independence Day Speech  
Announces Gabon's Development Needs and  
Plans, 6 pp.

FRENCH, Encl 1 to Desp 10, AmEmbassy,  
Libreville, 22 Aug 1961.

Dept of State

Congolese Code of Private Investment,  
5 pp.

FRENCH, Encl 1 to Desp 40, AmEmbassy,  
Leopoldville, 31 Jul 1961, CERP, D-, Embdes  
505, 22 Jun 1961.

Dept of State

Notice of the Moroccan Exchange Office on  
the Control of Foreign Investment, 5 pp.

FRENCH, per, Bulletin Officiel, No 2539,  
23 Jun 1961, Encl 1 to Desp 34, AmEmbassy,  
Rabat, 24 Jul 1961, CERP, Morocco, Section D,  
Item II A 2, Embdes 411, 621.

Dept of State

New Minimum Wage Scale for Leopoldville  
Province, 4 pp.

FRENCH, np, Courrier d'Afrique, Jul 21,  
1961, Encl to Desp 42, AmEmbassy,  
Leopoldville, Embdes 20, 17 Jul 1961;  
Embdes 43, 1 Aug 1961

Dept of State

Select 1 Articles From the French  
Periodical Industries et Travaux  
d'Outremer, Vol IX, No 87, Feb 1961.

JPRS 8814

Fiscal Regulations Respecting Mining  
in Overseas Territories and French-  
Speaking African States, 9 pp, (pp 83-85).

Near East/Africa  
Economic (Contd)

Selected Articles From the French  
Periodical Industries et Travaux  
d'Outremer, Vol IX, No 87, Feb 1961.  
(Contd)

JPRS 3014

The Iron Deposits of Fort Gouraud  
(Mauretania), 22 pp, (pp 87-93).

Copper Deposits at Akjoujt and the  
Mauretanian Copper Mining Company, 4 pp,  
(p 95).

The Mining Industry in Senegal, 14 pp,  
(pp 97-101).

The Mining Industry in Mali, 8 pp,  
(pp 103-105).

The Mining Industry in the Ivory Coast,  
by O. Dumazet, 27 pp, (pp 107-115).

Mining Activity in the Ivory Coast in  
1960, 6 pp, (pp 115, 116).

Mining Activity in Upper Volta, by  
R. Coste, 19 pp, (pp 117-121).

The Bauxite and Aluminum Industry in  
Guinea, 13 pp, (pp 123-128).

The Iron of Guinea, 4 pp, (p 129).

Mineral Resources of Cameroun, by  
A. Planet, 30 pp, (pp 131-137).

The Development of the Mining Economy  
and the Investment Policies of the  
Republic of Togo, by J. Colonna-Cimara  
28 pp, (pp 139-140).

The Mining Industry, in Gabon, by  
J. Giri, 18 pp, (pp 151-155, 163).

Equipment Installations by the Ogooue  
Mining Company, and Their Status as  
of 1 January 1960, 9 pp, (pp 156, 157)

Near East/Africa  
Economic (Contd)

Selected Articles From the French  
Periodical Industries et Travaux  
d'Outremer, Vol IX, No 87, Feb 1961.  
(Contd)

JPRS 8014

Mining Activity in the Congolese Re-  
public, by R. Gueit, 19 pp;  
(pp 159-163).

Mines in the Central African Republic,  
by C. Berthoumieux, 20 pp, (pp 164-168).

Mining Activity in Madagascar, 20 pp,  
(pp 169-173, 192).

Business Activities of Insurance Companies  
Operating in Greece in 1958, 5 pp.  
GREEK, Encl 1 to Desp 115, AmEmbassy,  
Athens, 16 Aug 1961; CERP, Section D-10.

Dept of State

Introduction of Measures to Stimulate the  
Development of the Country's Economy, 10 pp.  
GREEK, Encl 1 to Desp 971, AmEmbassy Athens,  
CERP Section D, Items II-A-1, 2, IV-A-5,  
V-A-8, VII -A-1 Embdes. 840, 24 Mar 1961,  
24 May 1961.

Dept of State  
432576

Histadrut Executive Committee Discusses  
Absorption and Development Problems in the  
Light of Increased Immigration, 4 pp.  
HEBREW, np, Lamerhav, 19 May 1961.

JPRS 10002

Near East/Africa  
Political

Official Gazette No 29, Dated 20 June 1959,  
Decree No 137, 12 June 1959, 10 pp.  
ARABIC, Encl to R-116-61, OUSARMA,  
Beirut, Lebanon, Jun 1959.

ID 2176464

His Excellency, the Prime Minister and  
Commander-in-Chief of the Armed Forces,  
Major General Abd al-Karim Qassim, 28 pp.  
ARABIC, pamphlet, Encl 1 to Desp 99,  
AmEmbassy, Baghdad, 3 Aug 1961, Embassy  
Despatch 1138, 18 May 1961.

Dept of State

Egypt and the Failure of the United Arab  
Republic, by Khalid Bukdash, 17 pp.  
ARABIC, np, Al Akhbar, No 352, 30 Apr 1961,  
pp 1, 2, 7.

JPRS 8879

Political Manifesto of the Tunisian Com-  
munist Party, 4 pp.  
ARABIC, np, Al-Tali'ah, No 173, 17 Mar 1961,  
pp 1, 2.

JPRS 8879

Resolutely Repel New Schemes of American  
Imperialists to Swallow Up the Congo,  
by Wang Chen, 7 pp.  
CHINESE, per, Shih-chieh Chih-shih, No 4/5,  
1961, pp 8-10.

JPRS 4848

Legislative Elections in Rwanda - Registra-  
tion Legislative Ordinance No 02/250 of  
August 1, 1961, 3 pp.  
FRENCH, Encl 1 to Desp 10, AmConsul,  
Usumbura, 18 Aug 1961.

Dept of State

Legislative Ordinance No 02/262 of  
August 8, 1961, 5 pp.  
FRENCH, Encl 2 to Desp 10, AmConsul,  
Usumbura, 18 Aug 1961.

Dept of State

Legislative Ordinance No 02/264 of  
August 8, 1961, 4 pp.  
FRENCH, Encl 3 to Desp 10, AmConsul,  
Usumbura, 18 Aug 1961.

Dept of State

Near East/Africa  
Political (Contd)

Resolutions of Seventh National Council  
Meeting of Istiqlal Party, 4 pp.

FRENCH, rpt, Jul 22, 23, 1961, Encl to  
Desp 3, AmConsul Tangier, 28 Jul 1961,  
ConGen's Telegram No 15, 24 Jul 1961.

Dept of State

A Revealing Document of the Algerian Com-  
munist Party, 5 pp.

FRENCH, np, Le Figaro, Vol CXXXV, No 5125,  
23 Feb 1961, p 5.

JPRS 8647

Peiping - Moscow Ideological Dispute, by  
Francois Fejto, 4 pp.

FRENCH, per, L'Information d'Israel,  
18 Jul 1961, p 3.

JPRS 8773

Law No 61-37 of July 7, 1961, Forming a  
Cooperative Bank, 7 pp.

FRENCH, per, Journal Officiel de la  
Republique Tunisienne, No 27, Jul 11-14,  
1961, Encl 1 to Desp 34, AmEmbassy, Tunis.  
8 Aug 1961, CERP Section D-12.

Dept of State

The Trade Unions in the Countries of West  
Africa, (DC-6299)

GERMAN, rpt, Die Gewerkschaften in den  
Laendern Westafrikas, 1961, 33 pp.

\*JPRS

Treaty of Friendship, Commerce and Naviga-  
tion Between the Kingdom of Greece and  
the Federal Republic of Germany, 13 pp.

GREEK, Encl 1 to Desp 71, AmEmbassy,  
Athens, 28 Jul 1961, CERP, Section D-13.

Dept of State

Significance of the Moscow Declaration for  
Greek Communists, by Mitsos Partsalides,  
21 pp.

GREEK, np, I Avgi, No 2497/2502, 5,  
7-10 Mar 1961.

JPRS 8879

Securing Democracy in Israel, by Ben-Ari,  
4 pp.

HEBREW, np, 'Al Hamishmar, 12 May 1961,  
p 2.

JPRS 10002



Near East/Africa  
Political (Contd)

Cooperation and Politics in Afro-Israel  
Relations, by M. Nahumi, 6 pp.

HEBREW, np, 'Al Hamishmar, 12 May 1961.

JPRS 10002

Leftist Front -- A Reply to the Unification  
of the Rightists, by Mosheh Zisik, 5 pp.

HEBREW, np, 'Al Hamishmar, 12 May 1961, p 3.

JPRS 10002

Worsening of the Crises in the Middle East,  
by Zev Ben-Zakar, 4 pp.

HEBREW, np, Yedioth Hayom, 26 May 1961, p 2.

JPRS 10002

Report on Visit of Dr Malcolm E. Robinson  
to Mozambique, 8 pp.

PORTUGUESE, manuscript, Dec 1959, pp 1-8.

QMIA 012

Iraqi Death Sentences Arouse World Indigna-  
tion, 3 pp.

RUSSIAN, np, Literaturnaya Gazeta,  
14 Mar 1961, pp 3, 4.

JPRS 8892

The Stalinist Theory of Colonial Revolu-  
tion and the National Liberation Movement  
in Tropical and South Africa, by I. I. Potekhin,  
22 pp.

RUSSIAN, per, Sovet Etnografiya, No 1, 1950,  
pp 24-40.

JPRS 4935

Statutes Relating to Amendment of Statutes  
in Connection With "Enlisted Gendarmery  
Personnel Proceedings" and Inclusion of  
a Provisional Article in These Statutes,  
4 pp.

TURKISH, Encl to R-264-61, OUSARMA,  
Ankara, Turkey, Apr 1961. 9663162

Dept of Army

Deputies and Their Constitutional Re-  
sponsibility, by Muammer Aksoy, 13 pp.

TURKISH, np, Cumhuriyet, 7-11 Jul 1961.

JPRS 8853

Observations on the New Constitution,  
by Oguz Kazim Atok, 3 pp.

TURKISH, np, Vatan, 23 Jun 1961, p 2.

JPRS 8853

Near East/Africa  
Military

Foreign Military Bases in Mali, Tunisia  
and Morocco, 3 pp.  
FRENCH, np, At Tahrir, 8 Aug 1961, Encl  
1 to Desp 70, AmEmbassy, Rabat, 10 Aug 1961.

Dept of State

The First Trial Runs of "Tannin" and  
"Ruhav" Completed, 4 pp.  
HEBREW, np, Lamerhav, 4 Jan 1961, p 4.

JPRS 10002

The Capabilities of the Helicopter in  
Guerrilla Warfare in Africa, by Alexandre  
Pardal, 14 pp.  
PORTUGUESE, per, Infantaria, No 147/148,  
Mar/Apr 1959.

QMIA O.I. 6860/QMIA 022

General Aspects of the Military Defense  
of Angola, by Dimas Lopes de Aguiar, 14 pp.  
PORTUGUESE, per, Revista Militar Portugal,  
Series 2, Vol IV, 1952.

QMIA O.I. 6860 (032)

The Problem of Bizerte, by Habib Chatty,  
8 pp.  
TURKISH, press release, Encl 1 to Desp 88,  
AmEmbassy, Ankara, 8 Aug 1961.

Dept of State

Near East/Africa  
Sociological

Professor de Vries Discusses Achievement of Medical Research Institution, 4 pp.

HEBREW, np, Davar, 19 Feb 1960.

JPRS 8862

Health and Medical Notes, 43 pp.

HEBREW, per, Harefuah, 1 Jan-20 Oct 1960.

JPRS 8862

On the Anniversary of Professor Moses Rachmilewitz, 4 pp.

HEBREW, per, Harefuah, 15 Feb 1960.

JPRS 8862

Biography of Professor Werner Silberstein, by G. M. Gerichter, 7 pp.

HEBREW, per, Harefuah, 15 Jan 1960.

JPRS 8862

Hospitals and Admission Trends (1959), by H. S. Halevi, 27 pp.

HEBREW, per, Hayarhon Hastatisti LeYisrael, Oct 1960, pp 473-488.

JPRS 8862

Social Changes in Tropical Africa After the Second World War, by M. I. Braginskiy, 20 pp.

RUSSIAN, per, Sovet Etnografiya, No 6, Nov/Dec 1960, pp 31-43.

Sov, EEur Res & Tr Sv

Views Expressed on Expulsion of 147 Turkish University Professors, 14 pp.

TURKISH, np, Vatan, 23-31 Dec 1960.

JPRS 9859

The Traditional Diet of the Child in West Africa, by Luiz Aguiar, 6 pp.

PORTUGUESE, per, Servico de Administracao Militar, No 12, Sep 1959.

QMIA 031

ASIA

Economic

Agricultural Commodities Agreement Between the Government of the United States of America and the Government of the Republic of China Under Title I of the Agricultural Trade Development and Assistance Act, as Amended, 6 pp.

CHINESE, Encl 1 to Desp 29, AmEmbassy, Taipei, 21 Jul 1961, IV FSM 326.

Dept of State

Selected Articles From the Chinese Periodical Hua-hsueh Kung-yeh.

No 4, 21 Feb 1960.

JPRS 8783

Experiences in Experimental Production of Buna Rubber in the Tsingtao Chemical Industry Factory, by Ts'ui Po-fu, 11 pp, (pp 9-13).

Brief Introduction to Plans for Annual Production of 50 Tons of Buna Rubber, by Ho Ch'ing-o, 15 pp, (pp 14-19).

State of Technical Development of Foreign Synthetic Rubber Industry, by Ts'ui Chien-kuo, 5 pp, (pp 22, 23).

Experiments in Using Anthracite in Place of Coke to Produce Carbide, 4 pp, (pp 24, 32).

Achieving Mechanization and Semi-Mechanization, 4 pp, (pp 33, 34).

Innovations in Production Technology in Synthetic Ammonia and Ammonia Processing in Chilin Fertilizer Plant, 4 pp, (pp 37, 38).

Some Technical Problems in Utilizing Native Blast Furnaces to Produce Calcium Magnesium Phosphate Fertilizer, 6 pp, (pp 38-40).

No 5, 6 Mar 1960, pp 37-38.

JPRS 8775

Higher Baking Intensity for Mechanical Furnace and Lower Gas Temperature in Gas Purifying Stage, 7 pp.

Asia

Economic (Contd)

Selected Articles From the Chinese  
Periodical Hung-ch'i.

No 8, 1959.

JPRS 4820

Essential Nature of High-Speed Development in the Textile Industry, by Ch'ien Shih-kuang, 15 pp, (pp 1-11).

At the Site of the High-Mountain Canal, by Li Chi, 9 pp, (pp 44-49).

No 9/10, 5 May 1961, p 18.

JPRS 8880

Another Survey of the Internal Contradictions of Machine Tools and the Use of Wooden Blocks in Them, by Hou Chen-ping, Li Ming, Kuan Shih-hsu, Lu Chi-p'ei, 35 pp.

No 13, 1959.

JPRS 4820

Fully Utilize Reserve Strength in Industrial Production, by P'an P'ei-hsin, Han Ling-jui, 16 pp.

No 8, 16 Apr 1961.

JPRS 8828

Simultaneous Development and Mutual Promotion of Grain Production and Pig Breeding, 6 pp, (pp 1-3).

Tungjih Production Brigade Develops Pig Breeding Industry -- Both Public and Private Breeding Promoted, 7 pp, (pp 14-16).

A Production Brigade Which Produces Grain and Raises Livestock at the Same Time, by Chao Ming, Tseng Yuan, 7 pp, (pp 17-19).

Commune Industry: Its Construction, Consolidation and Development, by Li Ch'eng-jui, Tso Ch'un-t'ai, 16 pp, (pp 20-28).

Exert Efforts to Improve the Quality of Light Industry Products and Satisfy the Demand of the People, by Ch'en K'e-ch'i, 12 pp, (pp 29-34).

Asia

Economic (Contd)

Selected Articles From the Chinese  
Periodical Hung-ch'i. (Contd)

No 8, 16 Apr 1961.

JPRS 8828

Yugoslav Agriculture on the Road of  
Capitalism, by Liao Yuan, 5 pp,  
(pp 35-37).

No 9/10, 5 May 1961.

JPRS 8880

Ascertain Ground Water Resources for  
the Support of Agricultural Production,  
by Ho Ch'ang-kung, 9 pp, (p 42).

Accelerate the Production of Chemical  
Fertilizers and Agricultural Chemicals,  
by Li Ch'ao-po, 9 pp, (p 48).

Increase the Stockpile of Organic  
Fertilizers, by T'u-feng, 9 pp,  
(p 53).

Information on the Shanghai Naval Shipyard,  
by Regis Bergeron, 5 pp.  
FRENCH, per, Cahiers Franco Chinois, No 9,  
Mar 1961, pp 11-16.

JPRS 8703

Mao's "Mandate From Heaven" Has Become  
Doubtful. A Report on Communist Chinese  
Agriculture, by Klaus Mehnert, (SF-1980).  
GERMAN, per, Christ und Welt, No 34,  
24 Aug 1961.

\*JPRS

Railroading in Red China, by Gerhard  
Weiler, 24 pp.  
GERMAN, per, Ost-Probleme, No 2, 1961,  
pp 53-64.

ACSI H-9824  
ID 2174764

Indonesia's Eight-Year Development Plan.  
INDONESIAN, bk, Vol XV, Chap 127-129,  
pp 3367-3460; Encl to Desp 108, AmEmbassy,  
Djakarta, 11 Aug 1961; CERP D-18.

Dept of State

An Effort to Achieve the Financial Stability  
of the Regions of Level II, by Soepardi,  
5 pp.  
INDONESIAN, per, Madjalah Administrasi Negara,  
Vol II, No 8/9, 1960, pp 288-290.

JPRS 4916

Asia  
Economic (Contd)

Some Aspects of Economic Development in  
the Development of Indonesian Socialism,  
by Mohammad Sisman, 4 pp.

INDONESIAN, per, Madjalah Administrasi  
Negara, Vol II, No 8/9, 1960, pp 298-299.

JPRS 4916

Indonesia's Eight-Year Plan (1961-1969),  
by Munadjat Danusaputro, 12 pp.  
INDONESIAN, per, Utusan, Vol II, No 1, 1961,  
pp 22-34.

JPRS 4916

1959 Report of the State Committee for In-  
dustrial and Agricultural Textiles, 16 pp.  
INDONESIAN, per, Warta Ekonomi, Vol XIII,  
No 35/36/37, 10 Sep 1960, pp 624-625,  
No 38/39/40, 1 Oct 1960, pp 659-662,  
No 44/45/46, 12 Nov 1960, pp 760-761.

JPRS 4916

Selected Articles From the Japanese  
Periodical Ajia Keizai Jumbo.

No 472, 1 Jul 1961.  
Quality and Price of Chinese Coal, by  
Ozaki Shotaro, 16 pp, (pp 4-13).

JPRS 10129

Visit to the Shih-ching Shan Iron and  
Steel Company, by Yonezawa Hideo,  
7 pp, (pp 14-18).

No 474, 21 Jul 1961, pp 13-19, (NY-6713).  
Changes in Fu-shun, by Fukushima Yutaka.

\*JPRS

No 475, 1 Aug 1961, pp 7, 8-11, (NY-6713).  
Visit to the Mukden Machine Tool Plant,  
No 1, by Ozaki Shotaro.

\*JPRS

Chemical Fertilizer Production at Hungnam  
Chemical Fertilizer Plant, by Kang  
Ch'on-lim, 4 pp.  
KOREAN, np, Nodong Sinmun, 8 Jul 1961,  
p 3.

JPRS 10126

Development of the National Economy and  
Culture of the Mongolian People's Republic  
From 1921 to 1958, edited by D. Batu-Sukho,  
183 pp.  
MONGOLIAN, rpt, Bmrau-yn 1921-1958 Onuudyn  
vs Ordyn aj Anuy Soyolyn Hagjilt-Statistikiyn  
Emetgel, 1960, 196 pp.

JPRS 9987

Asia  
Economic (Contd)

Selected Articles From the Mongolian  
Newspaper Unen.

JPRS 8792

1 Feb 1961.  
The Second Session of the Great People's  
Hural of the Mongolian Peoples Republic,  
by B. Dugersuren, 13 pp, (pp 2, 3).

Summary of Report by Comrade N.  
Lubsanrabdan, Chief of Budgetary and  
Economic Commission, 4 pp, (p 3).

19 Feb 1961, p 3.  
The Need to Utilize Miscellaneous  
Raw Material Byproducts, by  
Ts. Rentsen, 3 pp.

21 Feb 1961, pp 1, 4.  
Appeal to Workers in the Construction  
Material Industry by Mongolian Construc-  
tion Activists, 10 pp.

5 Mar 1961, p 1.  
Decisions of the Council of Ministers  
of the Mongolian Peoples Republic,  
6 pp.

23 Mar 1961, p 3.  
The Principle of Financing Capital In-  
vestment, by B. Dashbaljir, 5 pp.

24 Mar 1961, p 2.  
Pledges of Central Gobi Aymak Working  
People for 1961 Socialist Competition  
by Jigjid, Balgan Damdinsuren,  
Purebdorj, 4 pp.



Asia  
Economic (Contd)

Selected Articles From the Mongolian  
Newspaper Unen. (Contd)

JPRS 8792

24 Mar 1961.  
Pledges of URS Aymak Working People  
for 1961, Socialist Competition, by  
Jambal, Khurmetbek, Tsedenbaljir,  
Balsan, 3 pp.

Pledges of Sukhe Bator Aymak Working  
People for 1961 Socialist Competition,  
by Ghenden, Batkhurel, Namjil,  
Dugarjab, 4 pp.

25 Mar 1961, p 2.  
Tasks of Trade Union Organizations in  
Expanding Socialist Competition, by  
J. Byambadorj, 10 pp.

27 Mar 1961, p 2.  
Pledges Taken by the Arkhangai Aymak  
Working People for the 1961 Socialist  
Competition, by Tsend-Ayush, Adyaa,  
Bizyaa, Choyjib, 5 pp.

Pledges Taken by Bayan-Olghiy Aymak  
Working People in the 1961 Socialist  
Competition, by Musakhan, Rom,  
Khurmankhan, Jazaa, 3 pp.

28 Mar 1961, p 2.  
Services Provided by Mechanized Live-  
stock Breeding Stations, by  
R. Tsagaankhuu, 3 pp.

29 Mar 1961, p 2.  
The Material Foundation of Transi-  
tion of Socialist Countries to Com-  
munism, by D. Dorjsuren, 5 pp.

9 Apr 1961, p 2.  
To Raise the Crop Yield and to Economize,  
by Banzragch, Bagaa, Jamyan, Gun-aajab,  
3 pp.

Bayankhongor Aymak Plans for Livestock  
Increase and Fodder Stockpiling, by  
Yadamsuren, Sukhbat, Pagma, Tserenjants,  
3 pp.

To Triple the Farming Acreage and In-  
crease Well-Digging Plans, by Gomboasuren,  
Sanzayjab, Lombuu, Arsad, 3 pp.

Asia  
Economic (Contd)

Specific Natural Conditions for  
Sinkiang, 58 pp.  
RUSSIAN, bk, Prirodnyye Usloviya  
Sin'tszyana, 1960, pp 66-131, 173-194.

ACSI H-9199  
ID 2166462

The Petroleum of China, by I. R. Kalinov,  
7 pp.  
RUSSIAN, per, Azerbaydzhan Neft Khoz,  
No 1, 1961, pp 47-48.

JPRS 4871

Organization of Revolving Funds in State  
Enterprises in the Chinese People's Republic,  
by N. Obolenskiy, (SF-1981).  
RUSSIAN, per, Den'gi i Kredit, No 7, 1961,  
pp 43-52.

\*JPRS

Contemporary Progress and the Distribution  
of the Productive Forces of Siberia and  
the Far East -- The Embodiment of Leninist  
Ideas, by N. N. Nekrasov, 23 pp.  
RUSSIAN, per, Iz Sibirskogo Otdel Ak Nauk  
SSSR, No 6, 1960, pp 3-16.

JPRS 9892

Brotherly Inviolable Friendship: 1. Com-  
munique on Soviet-Chinese Trade Negotiations  
2. In a Friendly Mood; 3. The Journey of  
the CFR Governmental Trade Delegation;  
4. The Results of the Soviet-Chinese  
Trade Negotiations, by V. Kuplenskiy,  
(SF-1983).  
RUSSIAN, per, Vnesh Torg, No 5, 1961,  
pp 11-18.

\*JPRS

New Successes of the Railroad in the  
People's Republic of China, by Ch'en  
T'an, (SF-1993).  
RUSSIAN, per, Zheleznodorozhnyy Transport,  
No 7, 1961, pp 90-93.

\*JPRS

Hanoi, the Capital of North Vietnam,  
Since 1954, 129 pp.  
VIETNAMESE, bk, Lich-su Thu-do Hanoi,  
Chap VI, VII, pp 265-335.

JPRS 10133

The Problem of Diligently and Thriftily  
Building the Country, by Thien Tam,  
(DC-6310).  
VIETNAMESE, per, Hoc Tap, Jul 1961,  
pp 48-52.

\*JPRS

Asst :  
Economic (Contd)

Selected Articles From the Vietnamese  
Newspaper Nhan Dan.

22 Mar 1961, p 3. The Lumber Problem, by Le Thiem, 3 pp.	JPRS 9775
Insure Enough Lumber For Socialist Construction, 3 pp.	
24 Mar 1961, p 1-3. Let Us Expand Arable Areas, 3 pp.	JPRS 9775
The Lumber Problem, by Phung duc Phu, 4 pp.	
Failure of Thanh Hoa Movement for Water Utilization, by Dao Trong Luy, Le The Lan, Le Giang, 3 pp.	
7 Apr 1961, p 1. Significance of the Autumn Harvest, 3 pp.	JPRS 9775
8 Apr 1961, p 3. Problems in Increasing Rice Crops, by Bui-huy-Dap, 4 pp.	JPRS 9775
National Bourgeois in Socialist Economy, by Xuan-thuy, 6 pp.	
9 Apr 1961. Why Yen Bay Failed to Achieve the Wood Exploitation Plan, by Anh Vu, 7 pp, (p 1).	JPRS 9775
Better Crop, Better Methods, Greater Determination, by Xuan Noi, 5 pp, (p 1)	
A New Spirit of Competition in Our Plants and Enterprises, 3 pp, (pp 1, 2).	
18 Apr 1961, p 3. Dong-tam Cooperative: The Dai-phong of Phu-tho, 7 pp.	JPRS 9843

Asia  
Economic (Contd)

Selected Articles From the Vietnamese  
Newspaper Nhan Dan. (Contd)

19 Apr 1961. Developing the State's Functions of Economic Organization and Management, 3 pp, (pp 1, 2).	JPRS 9843
Some Experiences in Technological Leader- ship, by Nguyen Quang Chien, 4 pp, (p 2).	
Fraternal Aid in Industry and Transporta- tion, by Nguyen Van Tran, 12 pp, (p 4).	
20 Apr 1961, p 1, 2. Positively and Firmly Enlarge the Co- operative Scale, 3 pp.	JPRS 9843
23 Apr 1961, p 4. Phu Tho Province Surpasses Ten Planting Norms, by Ha Dang, 4 pp.	JPRS 9843
24 Apr 1961, p 1, 2. To Invigorate and Develop the New Emula- tion Movement, 3 pp.	JPRS 9846
27 Apr 1961, p 4. Ha Tinh Province in the Emulation Drive With Dai Phong Cooperative, by Xuan Duong, 3 pp.	JPRS 9846
4 May 1961, p 4. All-Out Efforts for Agricultural Produc- tion in Hai Dong, by Nguyen-chuong, 7 pp.	JPRS 9960
5 May 1961, p 4. Ha Dong Struggles to Overfulfill 1961 Plan, by Nguyen Xuan Truong, 6 pp.	JPRS 9960
8 May 1961, p 3. Wastefulness at Dailai Irrigation Project, by Hoang Le Tam, Hoang Dang Muon, Do Nhieu 5 pp.	JPRS 9960

Asia  
Economic (Contd)

Selected Articles From the Vietnamese  
Newspaper Nhan Dan. (Contd)

16 May 1961, p 3.  
An Overall Solution for the Food Problem, by Dien Khanh, 4 pp.

JPRS 9986

18 May 1961, p 3.  
Correct Implementation of the Grain Policy, by Dien Khanh, 4 pp.

JPRS 9986

Asia  
Political

Selected Articles From the Chinese  
Periodical Hung-ch'i.

- No 5, 1959, pp 43-47. JPRS 4820  
On the Banks of the Pearl River, by  
Chen Ts'an-yun, 8 pp.
- No 6, 1959. JPRS 4820  
Discussion of the Use of Both Foreign  
and Domestic, by Tseng Hsi-sheng, 8 pp,  
(pp 20-24).
- The Double Nature of Difficulties, by  
Li Chien-wei, 4 pp, (pp 34-35).
- Main Stream and Branch Stream Dialectics,  
by Kao Yu, 5 pp, (pp 36-37).
- Forty Years Since the Establishment of  
the Communist International, by  
Ch'eng Jung, 7 pp, (pp 38-41).
- No 7, 1959, pp 48, 49. JPRS 4820  
First Volume of the History of  
Philosophy, by Wang Tzu-yeh, 5 pp.
- No 9, 1959. JPRS 4820  
Metaphors From the Writings of Mao  
Tse-tung, by T'ang Ch'i-yun, 7 pp,  
(pp 41-45).
- Wake Up, America!, by Yang Chung-kuang,  
5 pp, (pp 46-49).
- No 8, 1960, pp 30-34. JPRS 4820  
Lenin on the Chinese Revolution, by  
Fan Jo-yu, 8 pp,
- No 8, 16 Apr 1961. JPRS 8828  
Objective Conditions and Subjective  
Efforts, by Hsiao Shu, 8 pp, (pp 4-9).
- Consulting the Masses When Problems  
Arise, by Lin Yi-chou, 7 pp, (pp 10-13).

Asia  
Political (Contd)

Selected Articles From the Chinese  
Periodical Hung-ch'i. (Contd)

No 9/10, 5 May 1961.  
Investigation and Research Is a  
Fundamental Marxist Method, by  
Shih Tung-hsiang, 12 pp, (pp 1-10).

JPRS 8830

On the Trends of World Historical Develop-  
ment, by Chou Ku-ch'eng, 23 pp.  
CHINESE, per, Li-shih Yen-chiu, No 2, 1961,  
pp 82-94.

JPRS 4925

Glorious Warrior and Leader of the American  
Working Class, by I. Epstein, 4 pp.  
CHINESE, per, Shih-chieh Chih-shih, No 4/5,  
1961, pp 22.

JPRS 4848

How to Further Strengthen Self-Reform, by  
Fang Cheng, Liu Chun-an, 4 pp.  
CHINESE, per, T'ien-feng, No 9, 9 May 1960,  
pp 20, 21.

JPRS 8572

Official Proclamations From the "Journal  
Officiel du Cambodge," 36 pp.  
FRENCH, per, Journal Officiel du Cambodge,  
No 32, 11 Aug 1960, pp 1158-1159, 1160-1163,  
1168, 1169, 1169-1172.

JPRS 8768

Official Proclamations From "Journal Officiel  
du Cambodge," 11 pp.  
FRENCH, per, Journal Officiel du Cambodge,  
No 92, 29 Apr 1961, pp 1076, 1077, 1085.

JPRS 8838

Official Proclamations From the "Journal  
Officiel Du Cambodge," (DC-6321).  
FRENCH, per, Journal Officiel du Cambodge,  
Vol XVII, No 146, 147, 149, 158, 175, 179, 180,  
5 Jul - 19 Aug 61, pp 1377-2414.

\*JPRS

Law Concerning the Basic Provisions of the  
State Police.  
INDONESIAN, Encl to Desp 114, A-Embassy,  
Djakarta, 11 Aug 1961; Embassy Desp 75, 1 Aug  
1961.

Dept of State

Asia  
Political (Contd)

Autonomy in Indonesia, 6 pp.  
INDONESIAN, per, Madjalah Administrasi  
Negara, Vol II, No 8/9, 1960, pp 283-286.

JPRS 4916

The Role of Administration in the Nation's  
Life, 6 pp.  
INDONESIAN, per, Madjalah Administrasi  
Negara, Vol II, No 8/9, 1960, pp 292-294.

JPRS 4916

On-the Spot Observation of the People's  
Republic of China.  
JAPANESE, pamphlet, Kokusai Jijo Tokuhō,  
10 May 1961, pp 1-17.

500th INTC Gp, SIRA  
Tr. No 104556

The Laos Issue and Red China, 80 pp.  
JAPANESE, per, Tairiku Mondai, 1 Jul 1961,  
pp 28-33.

500th INTC Gp, SIRA  
Tr. No 104440

Selected Articles From the Mongolian  
Newspaper Unen.

JPRS 8792

10 Feb 1961, pp 1-3.  
Forty Years of the Mongolian People's  
Revolutionary Party, 16 pp.

2 Mar 1961, pp 1, 3, 4.  
The Past Forty Years Under the Leadership  
of the Mongolian People's Revolutionary  
Party, 19 pp.

7 Mar 1961, p 1.  
The Combatant Leader, by Yu. Tsedenbal,  
4 pp.

17 Mar 1961, p 2.  
Accomplishing the Tasks of the Party and  
the Masses, by J. Lhagbasuren, 4 pp.

1 Apr 1961, pp 1, 2.  
From Feudalism to Socialism, by  
Yu. Tsedenbal, 12 pp.

13 Apr 1961, p 4.  
The Session of the World Peace Council,  
by S. Jalan-Aajab, 4 pp.

JPRS 8861



Asia  
Political (Contd)

Democratic Republic of Vietnam, 58 pp.  
RUSSIAN, bk, Demokraticheskaya Respublika  
V'yetnam, 1960, pp 117-140, 200-247.

JPRS 4925

Forty Years of the Communist Party of China,  
by V. I. Glunin, (SF-1984).  
RUSSIAN, per, Narody Azii i Afriki, No 3,  
1961, pp 3-10.

\*JPRS

Steady Strengthening of People's-Democratic  
Law in the Democratic Republic of Vietnam,  
by Le Dich Hieu, 4 pp.  
RUSSIAN, per, Sotsialisticheskaya Zakonnost',  
No 6, 1961, pp 57-58.

JPRS 4914

The Need to Overthrow the Extremely  
Reactionary State Machinery of the US-  
Diemists, by Luu Quy Ky, (DC-6310).  
VIETNAMESE, per, Hoc Tap, Jul 1961,  
pp 4-9, 37.

\*JPRS

Some Views on the Old National Artistic  
Heritage, by Luu Huu Phuoc, (DC-6312).  
VIETNAMESE, per, Hoc Tap, Jul 1961,  
pp 26-32.

\*JPRS

Selected Articles From the Vietnamese  
Newspaper Nhan Dan.

25 Mar 1961, p 3.  
Formation of Communist Youth League,  
by Le Quan, 4 pp.

JPRS 9775

7 Apr 1961, p 1.  
Congratulations to India's Communist  
Party, 3 pp.

JPRS 9775

8 Apr 1961, p 2.  
Ho-Chi-Minh's Talk to the People of  
Bac-Giang, by Ho-chi-Minh, 6 pp.

JPRS 9775

19 Apr 1961, p 4.  
Some Basic Methods Concerning the  
Program of Formation of the Cadres in  
the First Five-Year Plan, by  
Le van Giang, 4 pp.

JPRS 9843

Asia  
Political (Contd)

Selected Articles From the Vietnamese  
Newspaper Nhan Dan. (Contd)

- 20 Apr 1961, p 3. JPRS 9843  
The Platform of the Vietnam Fatherland  
Front, by Tran Xuan, 3 pp.
- 23 Apr 1961, p 3. JPRS 9843  
Significance of Commerical Agreements  
(1961-1965), by Ly Ban, 3 pp.
- A Political Movement at the Duyen Hai  
Factory, by Noang Ngoc Nhan, 4 pp.
- 25 Apr 1961, p 3. JPRS 9846  
The Victorious Time of Marxist-Leninist  
Ideology, 3 pp.
- 28 Apr 1961, p 3. JPRS 9846  
Strengthen the Entire People's Solidarity,  
Positively Struggle for the Building Up  
of a Peaceful Unified, Independent,  
Democratic, Powerful and Prosperous  
Vietnam, by Xuan Thuy, 37 pp.
- 29 Apr 1961 JPRS 9846  
The Second Congress of the Vietnam  
Fatherland Front, 4 pp. (pp 1,2)
- The Patriotic Religious Policy of North  
Vietnam, 7 pp. (p 3)
- 30 Apr 1961. JPRS 9846  
Ton-duc-thang's Closing Speech at the  
Second Congress of the Vietnam Fatherland  
Front, 3 pp, (pp 1, 3).
- The Appeal of the Fatherland Front,  
3 pp, (pp 1, 3).
- The Ill Intention of America in the  
Laos Crisis, by Quang-Thai, 3 pp, (p 2).
- The Congress of the Fatherland Front,  
3 pp, (p 2).
- Truong-chinh Talked at the Fatherland  
Front's Congress, 3 pp, (p 3).

Asia  
Political (Contd)

Selected Articles From the Vietnamese  
Newspaper Nhan Dan. (Contd)

1 May 1961, p 1. March Forward and Build Up Socialism Successfully, 3 pp.	JPRS 9846
3 May 1961, p 1. May First Talk by Vice President Ton Duc Thang, by Ton Duc Thang, 5 pp.	JPRS 9960
4 May 1961, p 3. Revised Constitutions of the Fatherland Front, 5 pp.	JPRS 9960
5 May 1961, pp 1, 3. Second National Congress of Vietnamese Fatherland Front, 9 pp.	JPRS 9960
6 May 1961, p 3. Need for Vigorous Ideological Change Among Cadres, by Le Thanh Nghi, 10 pp.	JPRS 9960
8 May 1961, p 4. Thai Binh Realizes the Third Party Congress' Resolutions, by Ngo Duy Dong, 5 pp.	JPRS 9960
12 May 1961, p 4. The Important Significance of the Current Elections for the Popular Councils in the Counties and Villages, 3 pp.	JPRS 9986
19 May 1961, p 3. Reading Ho Chi Minh's Selected Works, 10 pp.	JPRS 9986
20, 21 May 1961, p 3. Political Education and Material Incentives, by Tran Duc, 9 pp.	JPRS 9986

Asia  
Military

Transmittal of "Liberation Army Pictorial  
No. 22/1960", 19 pp.  
CHINESE, per, Chieh Fang Chun Hua Pao,  
16 Nov 1960; Encl to R-389/61, USARML0, Hong  
Kong, Jun 1961.

ID 2176650

Transmittal of "Liberation Army Pictorial  
No. 3/1961," 13 pp.  
CHINESE, per, Chieh Fang Chun Hua Pao,  
No 3, 1961; Encl 1 to R-381-61, USARML0,  
Hong Kong, 1 Feb 1961.

ID 2176188

Military Radio Communications - Communist  
China, by Yang Chung-lien, (DC-6318).  
CHINESE, per, Wu-hsien-tien, No 3, 19 Mar  
1961, pp 18-20; No 4, 19 Apr 1961, pp 9, 10,  
and 12.

\*JPRS

Speech by Air Chief Suryadarma on Otter Day,  
by Suryadarma, 6 pp.  
INDONESIAN, per, Angkasa, Vol XI, No 12, 1960,  
pp 482-483, 512.

JPRS 4916

1951 Barracks Regulations, Indonesia Army  
Headquarters Intendence Corps, by  
Koeswondo, 6 pp.  
INDONESIAN, bk, Peraturan Kesatriaan/CIAD,  
Mar 1951, pp 1-6.

QMIA 011

The Celebration of the 40th Anniversary of the  
Mongolian People's Army, by R. Ya. Malinov-  
skiy, Shui Kuang-ta, 16 pp.  
MONGOLIAN, np, Unen, 19 Mar 1961, pp 2, 3.

JPRS 8792

Defense Labor Society, by D. Dorjgotob,  
4 pp.  
MONGOLIAN, np, Unen, 19 Apr 1961, p 2.

JPRS 8861

Japanese Self Defense Yearbook 1961.  
JAPANESE, yrbk, pp 134-143; 225-248; 295;  
316-324; 372-379; 387-391; 401-422; 432-442;  
494-542, Encl 1 to R-535-60.

319th MI Bn  
\*H-9952  
ID 2160835

Competition Drive in the Armed Forces,  
by Quoc-tuong, 3 pp.  
VIETNAMESE, np, Nhan Dan, 30 Apr 1961,  
p 4.

JPRS 9846

Asia  
Geographic

Hydrography of the Rivers of the Mongolian People's Republic, by N. T. Kuznetsov, 149 pp.

RUSSIAN, bk, Gidrografiya rek Mongol'skoy Narodnoy Respubliki, 1959, pp 1-150.

ACSI H-7124  
ID-2147189

Basic Instructions for the National Geodetic Net of the Chinese People's Republic (KNR) 11 pp.

RUSSIAN, per, Geogeziya i Kartografiya, 1951, pp 70-75. (Call No GL-B675.2214 (1961) No 5-A.

AMS

The Soil-Geographical Regions of Western China, by E. V. Lobova, B. F. Petrov, 18 pp.

RUSSIAN, per, Pochvovedeniye, No 3/4, 1945, pp 189-198. 9078504

OTS 60-21854  
PL-480

On the Littorals of the China Seas, by O. B. Mokiyeveskiy, 6 pp.

RUSSIAN, per, Priroda, No 6, 1961, pp 93-97.

JPRS 4872

Loess Plateau, by Li Hsueh-ts'eng, 202 pp. CHINESE, bk, Huang-t'u Kao-yuan, 1960, pp 1-100.

JPRS 10050

From the History of Chinese Cartography, by V. Ye. Masibroda, 33 pp.

RUSSIAN, per, Voprosy Geografii, No 42, 1958, pp 178-188.

JPRS 10061

A Journey on the Lower Amur River, by Hua-ch'uan Ch'en, 8 pp.

CHINESE, per, Lu-hsing-chia, 1958, pp 38-39, (Call No DS 701 L95, 1958, No 12 E Tr)

AMS

Asia  
Sociological

Study Further to Grasp the Proletarian  
World Viewpoint, by Ai Ssu-ch'i, 35 pp.  
CHINESE, per, Che-hsueh Yen-chiu, No 2,  
Mar 61, pp 1-20.

JPRS 8852

The Controversy Concerning Materialism  
and Idealism in Art, by Chu Kuang-chien,  
20 pp.  
CHINESE, per, Che-hsueh Yen-chiu, No 2,  
Mar 1961, pp 42-53.

JPRS 8852

Commercial Workers Improve Services, by  
Chen Hsing, 6 pp.  
CHINESE, per, Chung-kuo Fu-nu, No 4,  
1 Apr 1961, pp 3-5.

JPRS 8891

Plans for Extending Social Security for  
Civil Servants, 12 pp.  
INDONESIAN, per, Madjalah Administrasi Negara,  
Vol II, No 8/9, 1960, pp 266-271, 273.

JPRS 4916

The Indonesian Language and Manipol, by  
Amin Singgih, 3 pp.  
INDONESIAN, per, Siasat Baru, Vol XVI, No 705,  
1961, pp 3-5.

JPRS 4916

Problems of Chinese and Korean Linguistics  
at the 25th Congress of Orientalists, by  
N. V. Solntseva, Yu. N. Mazur, 6 pp.  
RUSSIAN, per, Voprosy Yazykoznaniya, No 2,  
1961, pp 153-156.

JPRS 8854

Selected Articles From the Vietnamese  
Newspaper Nhan Dan.

22 Apr 1961.

JPRS 9843

Reader's Opinions on High School Teachers'  
Working and Living Conditions, by  
Nguyen, Hieu, 3 pp, (p 4).

The Immediate Duty and the Prospect for  
the Development of the Community Health  
Stations, by Dinh Quang Thuy, 3 pp, (p 4).

Asia

Sociological (Contd)

Selected Articles From the Vietnamese  
Newspaper Nhan Dan. (Contd)

7 May 1961.

The Autonomous Area Is Becoming Increasingly  
Developed and Progressive, by Nguyen-Tuan,  
6 pp, (p 4).

JPRS 9960

Critics, Writers, and Readers, by  
Xuan Truong, 7 pp, (p 5).

9 May 1961, p 4.

The Teachers' Meeting on Reformation, at  
Hanoi, by Nguyen Dinh Du, 3 pp.

JPRS 9960

WESTERN EUROPE

Economic

Falsification Practices in the Field of Competition Hong Kong, Spain, Portugal, Egypt, Pakistan, India, 3 pp.  
DUTCH, np, Het Financieele Dagblad, 25 Jul 1961, Encl 1 to Desp 45, AmEmbassy, The Hague, 26 Jul 1961, CERP D-13, 14; Emb's A-24.

Dept of State

French Maritime Construction and the Achievement of "White Book" Goals, 3 pp.  
FRENCH, Encl to 262-61 to USNA, Paris, 8 Aug 1961.

Dept of Navy  
ONI 5125490

The Zartaitine Pipeline to the Mediterranean, by C. Fabre, 10 pp.  
FRENCH, per, Europe-France-Outremer, Apr 1960, pp 48-52. (Call No JV1801.E86, No 365, E Tr)

AMS

The French Automotive Industry, by R. Prevost.  
FRENCH, per, La Machine Outil Francaise, No 165, 1961, pp 259-267.

\*525th MI Gp  
I-0068  
ID 2174797

The Kaldo Process at Sollac, by R. Colmant, et al.  
FRENCH, per, Revue de Metallurgie, Vol LVIII, Jan 1961, pp 39-43.

BISI 2327

Speech of Economics Minister Erhard read by State Secretary W. Strick at the Bundestag Session of May 5, 1961, 11 pp.  
GERMAN, Encl 1 to Desp 1758, AmEmbassy Bonn, 1 Jun 1961.

Dept of State

Fifty Years of Dial Service in Germany, by Dr Hans Steinmetz, 50 pp.  
GERMAN, per, Archiv fur das Post- und Fernmeldewesen, No 1, 1959, pp 10-33.

USASIA; SC-139/60

The Chemical and Technical Principles of the (Fuel Element) Reprocessing Plant at Mol (Belgium) and Its Construction, by H. Gotte, 15 pp.  
GERMAN, per, Atom und Strom, Vol VI, No 12, 1960, pp 103-107. 9079450

AERE, Harwell  
NP-Tr-632



Western Europe  
Economic (Contd)

Provisions on the Insurance and Financing of Credits From Exports of Goods and Services, Performance of Work Abroad, as Well as Assistance to Developing Countries, Law No. 635, July 5, 1961, 18 pp.

ITALIAN, per, Gazzetta Ufficiale, No 185, 28 July 1961; Encl 1 to Desp 131, AmEmbassy, Rome, 11 Aug 1961; CERP D-12-13; Desp 1105, 1 Jun 1961, No 839, 22 Mar 1961, No 787, 3 Mar 1961, Emb G-462, 24 Dec.

Dept of State

Western Europe  
Political

The Paris Commune and the Development of  
Marxist Strategy and Strategic Thinking,  
by Li Kuan-ts'an, 22 pp.

CHINESE, per, Li-shih Yen-chiu, No 2,  
1961, pp 59-73.

JPRS 4926

Left-Wing Communist Writer Links Rightist  
Deviationists' Analyses to Those of  
Socialists, by Andre Masson, 5 pp.  
FRENCH, per, Le Communiste, Vol VII, No 70,  
pp 10-12.

JPRS 8821

Meurthe-et Moselle Federal Committee Expels  
Kriegel-Valrimont, by Louis Dupont, 10 pp.  
FRENCH, np, France Nouvelle, No 807,  
5 Apr 1961, pp 14-17.

JPRS 8821

Interview With Jacques Duclos, by  
Charles Haroche, 7 pp.  
FRENCH, np, France Nouvelle, No 813,  
17-23 May 1961, pp 4-6.

JPRS 8879

Sixteenth Congress of the French Communist  
Party Saint-Denis, 11-14 May 1961 -- Waldeck  
Rochet's Report of the Central Committee,  
62 pp.  
FRENCH, np, l'Humanite, No 5195, 12 May 1961,  
pp 5-11.

JPRS 6821

Garaudy's Address on the General Cultural  
Crisis of Capitalism, by Roger Garaudy,  
5 pp.  
FRENCH, np, l'Humanite, No 5196, 13 May 1961,  
p 7.

JPRS 8879

Closing Speech of Maurice Thorez, by  
Maurice Thorez, 17 pp.  
FRENCH, np, l'Humanite, No 5197,  
15 May 1961, pp 7, 8.

JPRS 8879

Joint Spanish-Greek Communist Declaration  
Against Their Governments, 3 pp.  
FRENCH, np, l'Humanite, No 5250, 15 Jul  
1961, p 4.

JPRS 8879

Western Europe  
Political (Contd)

Czechoslovak Protest Against West German  
Judiciary, 5 pp.  
GERMAN, Encl 1 to Desp 83, AmEmbassy, Prague,  
11 Aug 1961.

Dept of State

Government Statement Made by Konrad Adenauer,  
Chancellor of the Federal Republic of Germany,  
to the Bundestag on 18 August 1961, 8 pp.  
GERMAN, Encl 1 to Desp 267, AmEmbassy, Bonn,  
21 Aug 1961.

Dept of State

Bundestag President Gerstenmaier's Statement  
on the German Question, 7 pp.  
GERMAN, speech, Encl to Desp 10, AmEmbassy,  
Bonn, 5 Jul 1961.

Dept of State

Decree: Statute on Decorations for Services  
to the Austrian Republic. Decree: Administra-  
tive Fees to be Paid on the Awarding of  
Decorations for Services to the Austrian  
Republic, 7 pp.  
GERMAN, per, Bundesgesetzblatt Furr die  
Republik Osterreich, 13 Jun 1953, 16th Issue,  
pp 257-261, plus 2 pp unnumbered.

QMIA (O.I. 6860/QMIA 006)

The Resignation in the Tirol, by  
Hugo Portisch, 4 pp.  
GERMAN, np, Kurier, 12 Aug 1961, pp 1-2,  
Encl 1 to Desp 165, AmEmbassy, Vienna,  
14 Aug 1961.

Dept of State

Austrian Soul-Searching of the South Tirol  
Problem. The Political Damage of the  
Dynamite Attacks, 4 pp.  
GERMAN, np, Neue Zuercher Zeitung, 17 Jul  
1961, Encl 1 to Desp 70, AmEmbassy, Vienna,  
18 Jul 1961.

Dept of State

Austria in the South Tirol Conflict,  
4 pp.  
GERMAN, np, Neue Zuercher Zeitung,  
3 Aug 1961, p 1; Encl 1 to Desp 157,  
AmEmbassy, Vienna, 11 Aug 1961.

Dept of State

West German Analysis of World Communist  
Danger, by Otto Schiller, 8 pp.  
GERMAN, per, Osteuropa, Vol XI, No 4/5,  
1961, pp 278-284.

JPRS 8879

Western Europe  
Political (Contd)

Papal Labor Encyclicals -- A Viennese  
Communist View, by Jakob Rosner, 8 pp.  
GERMAN, per, Weg und Ziel, Vol XIX, No 5,  
1961, pp 312-320.

JPRS 8879

Austrian Communist Editor Discusses Teaching  
Ideology to Youth, by Franz Marek, 3 pp.  
GERMAN, per, Weg und Ziel, Vol XIX, No 5,  
1961, pp 338-340.

JPRS 8879

Austrian Note of August 1, 1961, 5 pp.  
GERMAN, np, Wiener Zeitung, 2 Aug 1961,  
Encl 1 to Desp 133, AmEmbassy, Vienna,  
4 Aug 1961, Embtel 178.

Dept of State

Kreisky Denies Accusations of Support to  
Terrorists. Austrian Minister Admits  
However to Having Known Names of South  
Tyrolean Partisans Text of Austrian  
Memorandum to ONU, 4 pp.  
ITALIAN, np, Il Popolo, 27 Jul 1961; Encl  
to 322-61 to USNA, Rome, 31 Jul 1961.

Dept of Navy  
ONI 5124953

Selected Articles From the Italian  
Periodical Rinascita, Vol XVIII, No 3, 1961.

JPRS 8795

The Progress of Emancipation, by  
Giorgio Amendola, 6 pp, (pp 163-166).

The Peasant Family Is Changing, by  
Duccio Tabet, 5 pp, (pp 193-196).

From Peasant Women in the Factory to  
Workers, by Ninetta Zandigiacomi, 7 pp,  
(pp 197-201).

From Turati to the Setting-up of the  
P.C.I., by Nilde Jotti, 19 pp, (pp 209-221).

The Party and The "Work Among Women", by  
Nella Marcellino, 11 pp, (pp 252-259).

Bourgeois Press and Filtered Reality,  
by Giuliana Dal Pozzo, 12 pp, (pp 275-281).

In China: From Objects to Active Partici-  
pants, by Marissa Musu, 5 pp, (pp 315-318).

Western Europe  
Military

Armed Forces Fuel Service, 10 pp.  
FRENCH, rpt, Documentation Generale.

ACSI H-6844  
ID-2147202

Swiss Army Clothing, by P. Chaudet, 53 pp.  
FRENCH, brochure, Habillement de l'Armee Suisse, 1959, pp 1-78.

QMIA 014

Memorandum on Projectiles With Independent Follow Charge, 105T59 Fuel From Gun DI 504, FRENCH, memo, Notice sur les Projectiles a Charge Creuse Libre de 105T59 Tires par La Canon DI 504, Encl 1 to R-352-61.

\*525th MI Gp  
H-9971  
ID 2175245

Breguet 941. 942, by Pierre Jeandrain.  
FRENCH, per, Air Revue, 1960, pp 224-227.

142 MI, Linguist Co  
ACSI H-8045  
ID-2156416

Notes Concerning Recruitment, Status, Advancement, Training, Assistance and Welfare of Italian Army Personnel, 19 pp.  
ITALIAN, rpt, Encl 1 to R-665-61, OARMA, Rome, Italy, Jun 1961.

ID 2176156

The Military Administration Service With Field, by Professor Ablerto de Sousa, Amorim Rosa, 33 pp.  
PORTUGUESE, bk, O Servico de Administracao Militar em Campanha (Encl No 4 to R-76-59) 1958, pp 1-36.

ACSI H-9210  
ID 2112594

Visit to the Military Camp of Boane, by Alexandre Pardal, 5 pp.  
PORTUGUESE, per, Infantaria, No 135/136, Mar/Apr 1958.

QMIA O.I. 6860/QMIA 020

Anti-Guerrilla Operations, by Antonio Manuel de Paiva, 4 pp.  
PORTUGUESE, per, Infantaria, No 149-150, May/June 1959.

QMIA 019

What Should a Soldier Assigned to the Province of Mozambique Know, by Alexandre Pardal, 17 pp.  
PORTUGUESE, per, Infantaria, No 149/150, May/Jun 1959.

QMIA 021

Western Europe  
Military (Contd)

Anti-Guerrilla Operations, by Antonio  
Manuel de Paiva, 5 pp.  
PORTUGUESE, per, Infantaria, No 153/154,  
Sep/Oct 1959.

QMIA 019

Complement of Oquendo Type Destroyers,  
3 pp.  
SPANISH, Encl to 108-61 to USNA, Madrid,  
31 Jul 1961.

Dept of Navy  
ONI 5125252

Summary of the Activities Carried on by  
Military Civic Action Up Until the Month  
of June 1961, 4 pp.  
SPANISH, rpt, Resumen de Las Actividades  
Dessrrolladas por Accion Civica Militar  
Hasta el Mes de Junio de 1961.

ACSI H-9846-B  
ID 2174771

Spanish Experimental Infantry Division:  
The Logistics Cluster, Domingo Jimenez  
Ruitord, 12 pp.  
SPANISH, per, Ejercito, Dec 1961, pp 33-40.

QMIA 007

Military Operations in the Desert, by  
Felix de Paz Garnelo, 9 pp.  
SPANISH, per, Guion, No 209, Oct 1959,  
pp 5-10.

QMIA (O.I. 6860/QMIA 033)

Western Europe  
Geographic

Soils of Western Europe From the View-  
point of the Russian School of Pedology,  
by L. I. Prasolov, B. F. Petrov, 22 pp.  
RUSSIAN, per, Pochvovedeniye, No 9, 1944,  
pp 393-409. 9078498

OTS 60-21852  
PL-480

Sociological

The German Population in the Soviet  
Union, by Alfred Bohmann, 8 pp.  
GERMAN, per, Aussenpolitik, Vol XII,  
No 4, 1961, pp 261-268.

JPRS 8806

Biographic

Biographical Data on New Ministers and  
Under Secretaries of State, 12 pp.  
PORTUGUESE, np, Diario da Manhã,  
14 Apr-4 May 1961.

JPRS 8801

LATIN AMERICA

Economic

Unity -- The Victory Pledge of the  
Toilers, by Luis Tenorio de Lima,  
(DC-6317).

RUSSIAN, per, Sovet Profsoyuzy. No 10.  
1956, pp 89-91.

\*JPRS

Against the Rule of Monopoly, by Roberto  
Morzna, (DC-6317).

RUSSIAN, per, Vsemirnoye Provysoyuznoye  
Dvizheniye, No 8, Apr 1951, pp 16-20.

\*JPRS

Brazil - Agricultural Policy, by Jose  
Joffily, 9 pp.

PORTUGUESE, Encl to Agr Rpt No 18, Rio  
de Janeiro, 3 Aug 1961, Code: 1-V

USDA

Graphite in Brazil, by Sylvio Froes Abreu,  
5 pp.

PORTUGUESE, bk, Recursos Minerais do Brasil.  
Vol I, Encl 1 to Desp 65, AmEmbassy,  
Rio de Janeiro, 25 Jul 1961.

Dept of State

The Problem in Colombia, by Fabio Robledo,  
6 pp.

SPANISH, speech, Encl 1 to Desp 19,  
AmConsulate, Medellin, 23 Aug 1961; CERP,  
Section D, Item 17.

Dept of State

The Uruguayan Automatic Telephone System,  
40 pp.

SPANISH, per, Los 25 Anos del Telefono  
Automatico en el Uruguay, 1959, pp 17-21,  
26-63.

USASIA: H-6701



Latin America  
Political

The Great Significance of the Victory  
of the Cuban People's Patriotic Strug-  
gle Against US Imperialism, by Yu Chao-li,  
11 pp.

CHINESE, per, Hung Ch'i, No 9/10,  
5 May 1961, pp 11-17.

JPRS 8880

Before Three Tombs, by Georges Gratiant,  
3 pp.

FRENCH, speech, Encl 1 to Desp 22, AmConsul,  
Martinique, FWI, 3 Aug 1961.

Dept of State

Selected Articles From the Portuguese  
Periodical Acao Democratica, Vol III,  
No 25, Jun 1961.

JPRS 8836

Symposium of the I.B.A.D., by  
Ivan Hasslocher, 3 pp, (pp 4, 5).

What Is the Agrarian Reform?, by  
Gustavo Corcao, Jose Carlos Barhose,  
4 pp, (pp 6, 7).

How Agrarian Reform Is Prepared and  
Carried Out, by Jose Artur Rios,  
Charles Hogenboom, Jose Coutinho,  
6 pp, (pp 9-11).

A Democratic Measure, by Carlos  
Lacerda, 4 pp, (pp 12-14).

Political and Social Aspects of  
the Agrarian Reform, by Father Fernando  
Bastos de Avila, 10 pp, (pp 18-21).

Ideological Falseness, by Jose Del Picchia  
Filho, 46 pp.

PORTUGUESE, per, Arquivos da Policia de  
Sao Paulo, Vol XX, 2nd Semester, 1960,  
pp 51-90.

JPRS 8840

Brazilian Communist Agitation Materials,  
8 pp.

PORTUGUESE, np, Novos Rumos, No 106,  
17-23 Mar 1961, p 4.

JPRS 8879

Latin America  
Political (Contd)

Motive Forces of the Struggle for Liberation in Latin America, by N. Danilevich, 15 pp.

RUSSIAN, per, Mirovaya Ekon i Mezh Otnosheniya, 9 Sep 1960, pp 90-98.

Sov, EEur Res & Tr Sv

Decree for Promotion of the Steel Industry, 6 pp.

SPANISH, Encl 1 to Desp 30, AmEmbassy, Buenos Aires, 10 Jul 1961, Embdes 1455, 19 May 1961; CERP D-14.

Dept of State

Communist-Socialist Unity in Chile, by Luis Corvalan, 10 pp.

SPANISH, np, El Popular, 25 Mar 1961, pp 3, 6.

JPRS 8821

Secretary General Corvalan Describes Visit to Cuba, by Luis Corvalan, 6 pp.  
SPANISH, np, El Siglo, 12 May 1961, p 5.

JPRS 8821

Organization Secretary Cortes Reports on Party Work, by Rafael Cortes, 4 pp.  
SPANISH, np, El Siglo, 12 May 1961, p 8.

JPRS 8821

Secretary Gonzalez Calls for Doubled Party Membership, by Jose Gonzalez, 10 pp.  
SPANISH, np, El Siglo, 15 May 1961, p 5.

JPRS 8821

The First Free Nation in Latin America, by Nguyen Van Vy, 4 pp.  
VIETNAMESE, np, Nhan Dan, 15 May 1961, p 4.

JPRS 9986

Latin America  
Military

Food Supply During Operations, by  
Frias Villar, 16 pp.  
PORTUGUESE, per, Revista de Intendencia,  
Vol LXXXVII, No 30, 1956.

QMIA 003/a-D

Work Carried Out by the Marshal Zavala  
Regiment Under the Military Civic Action  
Program, 3 pp.  
SPANISH, rpt.

ACSI H-9846-A  
ID 2174771

The Navy Guards the Peace, by Alfonso Delboy,  
4 pp.  
SPANISH, mp, La Prensa, 30 Jul 1961; Encl 1  
to 157-61 to USNA, Lima, Peru, 1 Aug 1961.

Dept of Navy  
ONI 51244985

Signal Security and Its Military Importance,  
4 pp.  
SPANISH, per, Revista del Ejercito, No 6,  
Jan-Feb 1960, pp 45-49.

USASIA: H-6703

Geographic

Report on Systematization of Map Symbols  
on General Maps, 24 pp.  
SPANISH, per, Revista Cartografica,  
Buenos Aires, 1960, pp 1-33. (Call  
No GAL01.F18 No 9, E Tr)

AMS

Sociological

Cuba - Pastoral Letter, by Juan Vicente  
Solis, 3 pp.  
SPANISH, mp, La Nacion, 4 Aug 1961,  
Encl 2 to Desp 72, AmEmbassy, San Jose,  
4 Aug 1961.

Dept of State

WORLD WIDE

Economic

Problems of International Socialist  
Division of Labor and Coordination  
of Long-Term Plans, by Ye. Orlova,  
(SF-1986).

RUSSIAN, per, Plan Khoz, No 8, 1961.

\*JPRS

Geographic

A Soil Map of the World and General Laws  
of Soil Geography, by I. P. Gerasimov,  
12 pp.

RUSSIAN, per, Pochvovedeniye, No 3/4,  
1945, pp 152-161. 9078501

OTS 60-21850  
PL-480

SCIENTIFIC

Aeronautics

Selected Articles From the Russian  
Periodical Iz Vysshikh Ucheb Zaved,  
Aviats Tekh.

No 2, 1958.

\*FTD-TT-61-45

Contribution of the Design of a Gas  
Ejector, by I. I. Kalmykov, (pp 93-103).

Some Results of Tests of High Shaft-  
Speed Centripital Pumps, by  
B. V. Ovsyannikov, V. F. Chebayevskiy,  
(pp 104-111).

No 1, 1959, pp 3-9.

RAE 912

Supersonic Wings of Minimum Drag  
Having a Given Static Margin, by  
E. V. Bulygina.

No 2, 1959, pp 147-150. 9671004  
On Two Features of Cavitation  
Qualities of a Centrifugal Pump With  
Feather Type Vane and Partial Discharge  
of Liquid, by V. I. Dumov, M. A. Peshkin,  
8 pp.

FTD MCL-1158/1 + 2

No 3, 1960, pp 107-109. 9670768  
On One Method of Selecting the Para-  
meters of the Dampers of Angular  
Motions of an Aircraft, by  
N. P. Kolpakova, S. I. Rybnikov,  
5 pp.

FTD MCL-1099/1

Calculating the Overloading on an Air-  
craft and the Angle of Bank in Motion  
Along a Spatial Trajectory, by  
R. D. Irodov.  
RUSSIAN, per, Trudy Tsent Aero-Gidrodin  
Inst Prof N. Ye. Zhukovskovo, (702),  
1957, 22 pp.

(Min of Aviat)  
OT-4239  
CC 2899 C

The Improvement of the Safety of Air-  
craft by the Perfecting of Hydraulic  
Transmission Fluids, by Ch. Horny.  
FRENCH, per, Recherche Aeronauke,  
Vol LXVIII, 1959, pp 21-30.

RAE 900

Scientific  
Aeronautics (Contd)

35 MM Twin Antiaircraft Battery --  
Oerlikon Type 12La/353 -- With Con-  
traves Fire Direction Installation,  
50 pp.  
GERMAN, rpt.

USASIA: H-6545-C

The Contraves AG, 8 pp.  
GERMAN, rpt.

USASIA: H-6545-D

The Effect of the Ground to Air to Ground  
Cycle on the Life of Transport Aircraft  
Wings Which Are Subject to Gust Loads, by  
E. Gassner, K. F. Horstmann.  
GERMAN, per, Ber Lab fuer Betrieb Darmstadt,  
1960.

RAE 933

Lenticular Aerodynes, by C. Teodorescu-Tintea,  
Fl. Zaganescu.  
RUMANIAN, per, Stiinta si Technica, No 12,  
1960, pp 20-21.

\*FTD-TT-61-86

Scientific  
Astronomy

Selected Articles From the Russian  
Report Mezhvedomstvennaya Konferentsiya  
po Voprosam Issledovaniya Oblakov,  
Osadkov i Grozovogo Elektrichestva,  
1957.

Amer Meteorol Soc T-RC-20

Some Results of an Investigation of  
Intraairmass Clouds, by E. S. Selezneva,  
(pp 7-12).

Role of Vertical Currents and Turbulent  
Mixing in the Formation and Evolution of  
Stratiform Clouds, by L. T. Matveyev,  
(pp 37-42).

Cloud Systems of the Black Sea, by  
D. K. Starov, (pp 86-87).

Some Problems of the Spectral Transparency  
of Clouds and Fogs, by E. I. Bocharov,  
(pp 129-139).

Radio Electronics in Investigations of the  
Cosmos, by Vladimir Ivanovich Siforov.  
RUSSIAN, bk, Radioelektronika v Issledovaniyakh  
Kosmosa, 1960, pp 41-44.

\*FTD TT 61-85

A Revision of Hartvig's Lunar Observations  
(1890-1915) Taking Into Account the Libera-  
tion Effect, by A. A. Gorynya.  
RUSSIAN, per, Astron Tsirulyar, No 211,  
1960, pp 14-16.

\*FTD-TT-61-13

Study of the Reflecting Power of the Moon's  
Surface, by N. N. Sytinskaya, V. V. Sharonov,  
44 pp.  
RUSSIAN, per, Uchenye Zapiski Lenin Gosud  
Univ., No 153, 114, 1952. 9078023

STL-TR-61-5110-23

News of Tunguska Meteorite, by V. G. Fesenkov,  
E. L. Krinov, 8 pp.  
RUSSIAN, per, Vest Ak Nauk SSSR, No 12,  
1960. 9078022

STL-TR-61-5110-21

Solar Radio Phenomena and Their Physical  
Interpretation, by J. F. Denisse.  
FRENCH, rpt, Les Phenomenes Radio-  
Electriques Solaires et Leur Interpreta-  
tion Physique, Sep 1960.

NASA TT F-72

Scientific  
Biology

Acclimatization of Muskrats in the USSR,  
by N. P. Lavrov, 150 pp.  
RUSSIAN, bk, Akklimatizatsiya Ondatry  
v SSSR, Izdatel'stvo Tsentrosoyuza, 1957.

Dept of Interior  
SK9 C3 V 7.

Bacterial Toxins and Anatoxins, by  
I. N. Morgunov, (NY-6717).  
RUSSIAN, bk, Bakteriynne Toksiny i  
Anatoksiny, 1959, pp 2-282.

\*JPRS

Simplest Methods of Disinfection and Insect  
and Rodent Extermination, by V. I. Vashkov,  
(DC-6309).

RUSSIAN, booklet, Prosteishiye Sposoby  
Dezinfektsii Dezinseksii i Deratizatsii,  
1960, pp 1-40.

\*JPRS

Radioelectronics in Biology, by  
L. B. Kaminir, 11 pp.  
RUSSIAN, per, Biologiya v Shkole, No 4,  
Jul/Aug 1961, pp 73-79.

JPRS 10079

The Central Section on Methodology in  
Biology of the Pedagogical Society of the  
RSFSR, by I. G. Belov, 4 pp.  
RUSSIAN, per, Biologiya v Shkole, No 4,  
Jul/Aug 1961, pp 90-91.

JPRS 10081

Spatial Distribution of Bioelectric  
Activity in the Cerebral Cortex of Man and  
Animals, by K. K. Monakhov, 9 pp.  
RUSSIAN, per, Byul Eksper Biol i Med,  
Vol L, No 10, 1960, pp 23-28.

JPRS 9722

The Problem of Immunological Activity of  
Antibodies Adsorbed on Solid Adsorbents,  
by A. K. Adamov, 9 pp.  
RUSSIAN, per, Byul Eksper Biol i Med,  
Vol L, No 11, 1960, pp 71-76.

JPRS 9873

Lake Coho, Oncorhynchus Kisutch (Walbaum)  
Morpha Relictus Nova, by P. A. Dvinin,  
3 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXIX,  
No 5, 1949, pp 695-697.

Dept of Interior  
QH301 C273 No 285



Scientific  
Biology (Contd)

Effect of X-Ray Irradiation on the  
Membrane Potential and Concentration  
of Sodium and Potassium in Frog Muscle  
Fibers, by V. I. Bogomolets', 12 pp.  
RUSSIAN, per, Fiziol Zhur, Vol VII,  
No 2, Mar/Apr 1961, pp 214-219.

JPRS 9971

General Meeting of the Department of Biology  
of the Academy of Sciences USSR, 6 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, No 1, 1961,  
pp 173-175.

JPRS 4868

Forty Years of Soviet Biology, 40 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol,  
1957, pp 649-673.

JPRS 9928

Conference on Problems of Geobotanical  
Cartography, by Ye. I. Lapshina, 6 pp.  
RUSSIAN, per, Iz Sibirskogo Otdel Ak Nauk  
SSSR, No 1, 1961, pp 124-126.

JPRS 4929

Life Born in a Laboratory, by Mikh. Tsentsiper,  
7 pp.  
RUSSIAN, per, Komsolom'skaya Pravda,  
15 July 1961, p 4.

JPRS 10031

Biological Problems in Scientific Investi-  
gations, by N. Zhukov-Derezhnikov,  
I. Mayskiy, G. Tribulev, 6 pp.  
RUSSIAN, per, Medit Rabot, No 47 (2003),  
Jun 1961, p 3.

JPRS 9800

Methodology of Determining the Viability  
of Microorganisms in an Experimental  
Aerosol, by Ye. P. Sinel'nikova, 6 pp.  
RUSSIAN, per, Mikrobiol Zhur, Vol XXIII,  
No 2, 1961, pp 45-48.

JPRS 10003

Effect of Air Ionization on Micro-Organisms  
Suspended Therein, by V. A. Yaroshenko,  
10 pp.  
RUSSIAN, per, Mikrobiol Zhur, Vol XXIII,  
No 2, 1961, pp 53-58.

JPRS 10004

Globigerina Oxfordiana sp. n. by  
A. Grigelis, 2 pp.  
RUSSIAN, per, Nauch Dok Vyshney Shkoly,  
Geol-Geograf Nauk, No 3, 1958, p 110.

Dept of Interior  
QE3 E57 No 27

Scientific  
Biology (Contd)

Review of Scientific Notes of the Odessa  
Biological Station, by N. I. Tarasov,  
4 pp.

RUSSIAN, per, Nauchnyye Zapiski Odesskoy  
Biol Stant, No 1, 1959, pp 1-159.

JPRS 9852

Paul Doty on Biological Polymers, by  
M. V. Vol'kenshteyn, 14 pp.

RUSSIAN, per, Nauki i Zhizn', No 2, 1961,  
pp 28-32.

JPRS 9915

Biological Accumulation of Silica in Soils,  
by N. I. Usov, 9 pp.

RUSSIAN, per, Pochvovedeniye, No 9/10, 1943,  
pp 30-36. 9078503

OTS 60-21840  
PL-480

Radiobiology, by A. I. Zhuravlev,  
A. A. Mikhaylova, V. I. Tokarskaya, et al,  
(NY-6720).

RUSSIAN, per, Radiobiologiya, Vol I, No 3,  
1961, pp 321-462.

\*JPRS

Pink Salmon in the Basins of the Barents  
and White Seas, by E. G. Kossov,

M. S. Lazarev, L. V. Polikashin, 9 pp.  
RUSSIAN, per, Ryb Khoz, Vol XXXVI, No 8,  
1960, pp 20-25.

Dept of Interior  
QH301 C273 No 323

About the Population of Crested Wheatgrass,  
by M. Kosarev, 8 pp.

RUSSIAN, per, Selektsia i Semenovodstvo,  
No 12, 1951, pp 14-17.

Dept of Interior  
AC5 E57 No 3

Works of the Bureau of Bird Banding,  
by V. F. Ryabov, editor, 23 pp.

RUSSIAN, per, Trudy Biuro Kol'tsevaniia,  
No 8, 1955.

OTS 60-21160  
PL-480

Resistance of Pinewood to Compression at  
Different Angles to the Grain, by

Yu. M. Ivanov, 34 pp.

RUSSIAN, per, Trudy Inst Lesa, Ak Nauk SSSR,  
Vol IX, 1953, pp 347-370. 9079577

OTS 61-11424  
PL-480

Scientific  
Biology (Contd)

The Most Numerous Deep-Sea Fish in  
Far Eastern Seas - the Cyclothone -  
Cyclothone Microdon Guenther (Pisces,  
Gonostomidae), by V. A. Mukhacheva,  
17 pp.

RUSSIAN, per, Trudy Inst Okean, Ak Nauk  
SSSR, Vol XI, 1954, pp 206-219.

OTS 60-21110  
PL 480

Distribution of Marine Borers in the Seas  
of the USSR, by P. I. Riabchikov, 264 pp.  
RUSSIAN, per, Trudy Inst Okean, Ak Nauk SSSR,  
1957, pp 1-229.

Dept of Interior  
GC1 U54 No 100

Transactions of the Institute of Oceanology,  
Marine Biology, Edited by B. N. Nikitin,  
302 pp.

RUSSIAN, per, Trudy Inst Okean, Ak Nauk  
SSSR, 1959.

Dept of Interior  
QH 91 A 6

Larvae and Juveniles of Tunas, Sailfishes,  
and Swordfish (Thunidae, Istiophoridae,  
Xiphiidae) From the Central and Western  
Part of the Pacific Ocean, by Tsi-gen Sun.  
RUSSIAN, per, Trudy Inst Okean, Ak Nauk  
SSSR, Vol XLI, 1960, pp 175-191.

Dept of Interior  
SH211 E82 No 308

Excerpts From Lower Carboniferous Colonial  
Tetracorals From the Russian Platform, by  
T. A. Dobrolyubova, 22 pp.

RUSSIAN, per, Trudy Paleontolog Inst,  
Vol LXX, 1958, pp 199-207.

Dept of Interior  
QE3 E57 No 38

Biological Groups of Murman Herring  
(Clupea Harengus Harengus) According to  
Structure of Winter Rings on the Scales,  
by P. A. Murashkintseva, 21 pp.

RUSSIAN, per, Trudy Polyarnyy Nauch  
Issled Instit Morskogo Ryb Khoz i Okeano,  
Vol I, 1938, pp 74-87.

US Fish & Wildlife Service  
Dept of Int  
SH211 E82 No 286

Influence of Remote Species Pollen on  
Segregation in Intervarietal Tomato  
Crosses, by Ya. S. Aizenshtat.

RUSSIAN, per, Trudy po Prikl Bot Genet i  
Selek, Vol XXXII, No 3, 1959, pp 299-303.

\*USDA

Scientific  
Biology (Contd)

The Biology and Production of the  
Stocks of Black Sea Kumzha (Salmon/Trout),  
by G. P. Barach, 10 pp.  
RUSSIAN, per, Trudy Soveshchani Ak Nauk  
SSSR, Ikhtiologicheskaya Komissiya, No 7, 1957,  
pp 235-242.

Dept of Interior  
QH301 C273 No 286

The Biochemical Principles of the Preserva-  
tion of Vegetables and Fruits, by  
B. A. Rubin, 22 pp.  
RUSSIAN, per, Vest Ak Nauk SSSR, Vol XXIV,  
No 10, 1954, pp 48-56.

AERE, Harwell  
NP-Tr-606

A Method of Determining the Age and the Com-  
position of the Catches of the Spiny Dogfish  
(*Squalus Acanthias* L.), by S. Kaganovskaya,  
3 pp.  
RUSSIAN, per, Vest Dalnevostochno Filiala  
Ak Nauk SSSR 1933, No 1/3, 1933, pp 139-141.

Dept of Interior  
QH301 C273 No 281

The Characteristics of the Biology of Re-  
production and Development of the Coho-  
Oncorhynchus Kisutch (Walbaum), by  
A. I. Smirnov, 9 pp.  
RUSSIAN, per, Vest Mosk U, No 1, 1960,  
pp 9-19.

Dept of Interior  
QH301 C273 No 287

Local Stocks of Pink Salmon in the Amur  
Basin and Neighbouring Waters, by  
R. I. Enlutina, 8 pp.  
RUSSIAN, per, Voprosy Ikhtiologii, No 2,  
1954, pp 139-143.

Dept of Interior  
QH301 C273 No 284

Determinant of Middle Carboniferous  
Colonial Rugosa Corals of the Moscow  
Basin, by T. A. Dobrolyubova, 17 pp.  
RUSSIAN, per, Vses Nauch-Issled Inst  
Mineralnogo Syriya, 1935.

Dept of Interior  
QE3 E57 No 37

Parasites of Clupeid Fishes in the Black  
Sea, by G. Petrushevskiy, 20 pp.  
RUSSIAN, per, Vses Nauch-Issled Instit  
Ozernogo i Rechnogo Ryb Khoz, Izvestiya,  
Vol XLII, 1957, pp 304-314.

US Fish & Wildlife Service  
Dept of Interior  
SH211 E 82 No 286

Scientific  
Biology (Contd)

Tasks of Science, by I. M. Polyakov, 9 pp.  
RUSSIAN, per, Zashchita Rasteniy ot  
Vreditel'ey i Bolezn'ey, Vol V, No 11,  
1960, pp 4-7.

JPRS 10073

The Chinese Journal of Phytopathology, by  
M. N. Rodigin, 4 pp.  
RUSSIAN, per, Zashchita Rasteniy ot  
Vreditel'ey i Bolezn'ey, Vol V, No 11, 1960,  
pp 58, 59.

JPRS 10072

Intensifying Scientific Research on Plant  
Immunity, by B. V. Yakovlev, 4 pp.  
RUSSIAN, per, Zashchita Rasteniy ot  
Vreditel'ey i Bolezn'ey, Vol V, No 11, 1960,  
pp 60, 61.

JPRS 10074

Analysis of the Mechanism of Distribution  
of Fishes Under the Conditions of a Tempera-  
ture Gradient, by Viktor Sergeyevich Ivlev  
7 pp.  
RUSSIAN, per, Zool Zhur, Vol XXXIX, No 4,  
1960, pp 494-499.

Dept of Interior  
SH211 E82 No 302

Immunoprophylaxis of Babesiosis of Cattle,  
by B. Tunkl, S. Richter, Z. Romic, 8 pp.  
CROATIAN, per, Veterinarski Glasnik, Vol XV,  
No 2, Feb 1961, pp 93-98.

JPRS 10107

Contribution to Knowledge of Poisoning of  
Swine With River Side (Xanthium Italicum),  
by S. Kalinski, Z. Madzirov, 4 pp.  
CROATIAN, per, Veterinarski Glasnik, Vol XV,  
No 2, 1961, pp 139-141.

JPRS 10106

A Case of Swine Poisoning With Parathion,  
by M. Popovic, 3 pp.  
CROATIAN, per, Veterinarski Glasnik,  
Vol XV, No 2, 1961, pp 142-144.

JPRS 10106

Psychotropically Active Substances From  
Mexican Fungi, by A. Cihak, 6 pp.  
CZECH, per, Chemicke Listy, No 5, 1961,  
pp 536-541.

ACSI H-9902  
ID 2174783

Scientific  
Biology (Contd)

Treatment of Pears With X-Ray and  
Electron Radiation, by H. Hansen,  
T. Grunewald.

GERMAN, per, Atompraxis, Vol VII, No 6,  
1961, pp 213-216.

\*AERE, Harwell  
Tr No 1498

Microorganisms in Much-Handled Library  
Books and On Currency Paper, by G. B. Roemer,  
4 pp.

GERMAN, per, Das Papier, Vol VIII, 1954,  
pp 279, 280.

US Dept of Commerce  
National Bur of standards

Limits of Applicability of Control Theory  
to Biological Problems, by W. D. Keidel.  
GERMAN, per, Die Naturwissenschaften, No 8,  
1961.

\*525th MI Gp  
I-0072  
ID 2174798

Disphosphofructose Aldolase, Phosphogly-  
caraldehyde Dehydrogenase, Lactic Acid  
Dehydrogenase, Glycerophosphate Dehydrogenase  
and Pyruvate'kinase From a Rabbit's Muscula-  
ture in an Operation, by G. Beisenherz,  
H. J. Boltze, et al.

GERMAN, per, Z fuer Naturforschung, Vol VIIIb,  
1953, pp 555-577.

\*AERE, Harwell  
TR No 1521

On the Kagoshima University Large-Sized  
Experiment-Tank Consisting of Twinsymmetric  
Elliptical Circuits, by Y. Narasako,  
N. Kanamori, 22 pp.

JAPANESE, per, Dept of Fisheries Kagoshima  
University, Vol V, pp 64-77, Dec 30, 1956,  
Vol VI, pp 99-105.

Dept of Interior  
SH211 E82 No 305

Effect of Gill Excision on Sex Determination  
in the Oyster, *Ostrea Gigas* Thunberg, by  
Ikusaku Amemiya, 21 pp.

JAPANESE, per, Nippon Gakujutsu Kyokai  
Ho, Vol X, No 4, 1936, pp 1023-1026.

Dept of Interior  
QH301 C273 No 294

Research on the Toxic Factor of Strains  
of the AD-01 Group, by Sabina Brandes,  
11 pp.

POLISH, per, Medycyna Doswiadczalna i  
Mikrobiologia, Vol XIII, No 2, 1961,  
pp 127-133.

JPRS 9993

Scientific  
Biology (Contd)

Some Pharmacological Properties of Pyrogen  
From *Serratia Marcescens*, by Halina  
Krysicka-Dozkal, Maria Skassa, 11 pp.  
POLISH, per, Medycyna Doswiadczalna i  
Mikrobiologia, Vol XIII, No 2, 1961,  
pp 135-140.

JPRS 9994

Cod Catches in the Bay of Gdansk in 1949-  
1953 in the Aspect of Hydrographic and  
Climatic Factors, by Kazimierz Demel, 19 pp.  
POLISH, per, Prace Morskiego Instytutu  
Rybackiego, No 9, 1957, pp 79-102.

OTS 60-21520  
PL-480

The Geographic Distribution of the Shrimp  
of Northwest Mexico, and the Problem of  
the Fixed Fishing Gears (Traps), by  
Hector Chapa Saldana.

SPANISH, rpt, La Distribucion Geografica  
de los Camarones del Noroeste de Mexico  
y el Problema de las Artes Fijas de Pesca  
(Discussion, Resume, Conclusions), 1956,  
pp 49-84.

Dept of Interior  
SH211 E82 No 300

The Causes of Titer Reduction During Storage  
of "Diaferm-3" Antitoxic Sera, by  
M. A. Torban, 7 pp.  
UKRAINIAN, per, Ukrayins'kyy Biokhim Zhur,  
Vol XXXIII, No 2, 1961, pp 175-179.

JPRS 9954

Scientific  
Chemistry

Electrochemistry of Fused Salts, by  
Yuriy K. Delimarskiy, Boris F. Markov.  
RUSSIAN, bk, Elektrokhimiya Rasplavlennyykh Soley, 1960, 325 pp.

\*FTD-TT-61-55

Influence of Small Impurities on the Diffusion Coefficients in Polycrystalline Materials, by V. I. Arkharov, S. M. Klotsman, A. N. Timofeyev.  
RUSSIAN, bk, Issledovaniya po Zharoprochnym Splavam, Ak Nauk SSSR Inst Metallurgii imeni A. A. Baikova, Vol IV, 1959, pp 170-175.

Fulmer Res Inst 154

Niobium Iodid and Some of Its Properties, by V. S. Yemelyanov, A. I. Yevstyukhin, G. A. Leontyev, 39 pp.  
RUSSIAN, bk, Metallurgiya i Metallovedeniye Chistyykh Metallov, Sbornik Nauchnykh Rabot, No 2, 1960, pp 27-45. 9670989

FTD MCL-958/1

The Role of Nucleic Acids in the Synthesis of Cell Proteins, by P. V. Makarov, 26 pp.  
RUSSIAN, per, Arkhir Anatomii, Gistologii, i Embriologii, Vol XL, No 5, 1961, pp 3-17.

JPRS 9979

The Digestion by Pepsin of Serum Protein Irradiated With Gamma Rays, by Ya. A. Epshtein, E. A. Zabozyayeva, 10 pp.  
RUSSIAN, per, Biokhimiya, Vol XX, 1955, pp 701-704.

AEC NP-Tr-599

Effect of Moisture Content and Temperature of Wood on Its Elastic and Plastic Properties, by M. D. Byvshikh, 11 pp.  
RUSSIAN, per, Derevoobrabatyyvayushchaya Prom, Vol VIII, No 2, 1959, pp 13-15. 9079579

OTS 61-11422  
PL-480

Hydrolysis of Cellulose With Small Quantities of Concentrated Sulphuric Acid, by P. N. Odintsov, I. I. Beinarm, et al.  
RUSSIAN, per, Gid i Lesokhim Prom, Vol XIII, No 6, 1960, pp 6, 7.

\*AERE, Harwell  
Tr No 1501



Scientific  
Chemistry (Contd)

A Combined Method of Hydrolysis of Maize  
With Concentrated Sulphuric Acid, by  
E. E. Schnaider, M. E. Shpuntova, et al.  
RUSSIAN, per, Gid i Lesokhim Prom, Vol XIII,  
No 7, 1960, pp 1-4.

\*AERE, Harwell  
Tr No 1502

Resistance of Frozen Wood to Impact (Cross  
Beam) Bending, by A. N. Elkhin, 6 pp.  
RUSSIAN, per, Gidrotekh Stroitel', Vol XXV,  
No 10, 1956, pp 54-56. 9080443

OTS 60-11426  
PL 480

The Distribution of the Rare-Earth Elements  
in the Hydrolysis of Alloys of Their Oxides  
With Ammonium Thiocyanate, by V. K. Val'tsev,  
Ye. D. Oziashvili, 10 pp.  
RUSSIAN, per, Iz Sibirskogo Otdel Ak Nauk  
SSSR, No 6, 1960, pp 59-64.

JPRS 10041

Creative Discussion on the Problem of the  
Improvement of Chemical Fibers Used in the  
Rubber Industry, by F. I. Yashunskaya,  
V. A. Berestnev, I. P. Nagdasev, 6 pp.  
RUSSIAN, per, Kauchuk i Rezina, No 5, 1961,  
pp 54-55.

JPRS 4888

Problem of Producing the Dichloroanhydride  
of -Chloroethylphosphonic Acid, by  
Ye. L. Gelter, M. I. Kabachnik, 6 pp.  
RUSSIAN, per, Plasticheskiye Massy, No 1,  
1961, pp 63-65.

JPRS 4853

Purification of Ships' Waste Water From  
Oil Impurities, by P. Kharitonova, 4 pp.  
RUSSIAN, per, Rechnoy Transport, No 11,  
1960.

US Dept of Commerce  
Maritime Admin  
Office Services

Testing Compression Strength of Wood  
Across the Grain, by V. A. Bazhenov,  
L. M. Pereygin, Ye. A. Semenova, 22 pp.  
RUSSIAN, per, Trudy Inst Lesa, Ak Nauk  
SSSR, Vol IX, 1953, pp 315-331. 9080444

OTS 60-51131  
PL-480

Application of the Principle of Similarity  
to Chemical Processes, by V. V. Kafarov,  
V. A. Reutskiy, 36 pp.  
RUSSIAN, per, Uspekhi Khim, Vol XXX, No 5,  
1961, pp 679-700.

JPRS 4852

Scientific  
Chemistry (Contd)

Vibration Spectra of Organophosphorus Compounds, by Ye. M. Popov, M. I. Kabachnik, L. S. Mayants, (SF-1879).  
RUSSIAN, per, Uspekhi Khim, Vol XXX, No 7, 1961, pp 846-876.

\*JPRS

The Use of Oxides of Manganese in Alkaline Batteries, by I. I. Koval', V. N. Vorob'yeva.  
RUSSIAN, per, Vest Elektroprom, Vol VI, 1958, pp 46-48.

RAE 908

Thermographic Analysis of the Decomposition of the Formations of the Rare-Earth Elements of the Cesium Group, by M. N. Ambrozhiy, Yu. A. Osipova.  
RUSSIAN, per, Zhur Neorgan Khim, Vol III, 1958, pp 2716-2720.

\*AEC

Chromatographic Semimicroanalysis of Gases. XIII. Separation of Chlorine, Bromine and Iodine, by J. Janak, M. Nedorost, et al.  
CZECH, per, Chem Listy, Vol LI, 1957; Collection of Czechoslovak Chemical Communications, Vol XXII, No 6, 1957, pp 1799-1804.

\*AERE, Harwell  
Tr No 1490

Oscillopolarographic Determination of Contamination in Foodstuffs in Czechoslovakia, by V. Jedlicka, A. Pasek, 8 pp.  
CZECH, per, Chemicke Zvesti, Vol XIV, No 11/12, 1960, pp 757-761.

JPRS 4857

The Oscillopolarographic Study of Barbiturates in Czechoslovakia, by J. Prokes, R. Vorel, 3 pp.  
CZECH, per, Chemicke Zvesti, Vol XIV, No 11/12, 1960, pp 818-821.

JPRS 4857

The Effect of Hydrogen on the Properties of Large Forgings of CrNiMo Steel, by I. Zlatnik.  
CZECH, per, Hutnicke Listy, Vol XVI, No 5, 1961, pp 325-335.

MT 199

Separation and Determination of the Si Phase Constituents in Slags, by F. Chalus.  
CZECH, per, Hutnicke Listy, Vol XVI, No 8, 1961, pp 587-588.

MT 210

Scientific  
Chemistry (Contd)

Impregnation With Waxes, Compounds, and Varnishes, 22 pp.  
CZECH, per, Slaboproudý Obzor, Vol XX, No 8, 1959, pp 490-495.

USASIA: H-6633-E

Impregnation and Sealing With Epoxyde Resins, 7 pp.  
CZECH, per, Slaboproudý Obzor, Vol XX, No 8, 1959, pp 514-516.

USASIA: H-6633-J

Loss of Aluminum Through Combustion During the Deoxidation of Unalloyed Steel in an Arc Furnace, by P. Fremunt, K. Stransky.  
CZECH, per, Slevarenství, Vol IX, No 4, 1961, pp 126-131.

MT 192

Some Remarks on the Carrier Distillation Method, by R. Auni, M. Chaput.  
FRENCH, CEA rpt No 1908, 1961.

\*AERE, Harwell  
Tr No 1494

Determination of the Monochromatic Emission Factor of a Refractory Surface at High Temperature, by F. Cabannes, 24 pp.  
FRENCH, per, Bulletin Societe Francaise de Ceramique, No 48, Jul-Sep 1960, pp 3-18.

US Dept of Commerce  
Nat'l Bu Standards

Application of the Dumas Method to the Determination of Traces of Nitrogen in Iron and Steel, by J. Coulombeau, E. Jaudon.  
FRENCH, per, Chimie Analytique, Vol XLII, Feb 1960, pp 61-68.

\*BISI E 2435

Gas Chromatography of Tar, by F. Dupire.  
FRENCH, per, Compt Rend Congr Intern Chim Ind, 31e, 1958.

Dept of Interior  
TN7 E57 No 395

The Precipitation of Lithium in Single Crystals of Lithium Fluoride Irradiated With Thermal Neutrons, by M. Lambert, C. Mazieres, A. Guinier, 19 pp.  
FRENCH, per, J Phys Chem Solids, Vol XVIII, 1961, pp 129-138. 9080655

AEC Tr-4739

Analysis of Hydrogen, Oxygen and Nitrogen in Metals Under Reducing Conditions in Argon, by J. Hancart, J. Marot.  
FRENCH, per, Revue de Metallurgie, Vol LVII, Oct 1960, pp 911-917.

BISI 2167

Scientific  
Chemistry (Contd)

Influence of the Initial State of a Metal on Changes in Crystalline Structure During Fatigue at High Temperatures, by J. de Fouquet.

FRENCH, per, Revue Metallurgie Memories Scientifiques, Vol LVII, Mar 1960, pp 232-240.

BISI 2122

The Solubility of Basic Converter Slags in Citric Acid, by A. Decker, et al.

FRENCH, per, Revue Universelle des Mines, 9th Series, 12 Dec 1956, pp 652-660.

BISI 2330

Platinum Electrodes. I. The Capacity of Platinised Platinum in Various Electrolytes and the Electromotive Behaviour of Adsorbed Hydrogen, by A. Slygin, A. Frumkin, 40 pp. GERMAN, per, Acta Physicochim URSS, Vol III, 1935, pp 791-818.

AERE, Harwell  
NP-Tr-597

Platinum Electrodes. II. The Adsorptive Properties of the Platinum Electrode, by A. Slygin, A. Frumkin, W. Medvedovski, 28 pp.

GERMAN, per, Acta Physicochim URSS, Vol IV, 1936, pp 911-928.

AERE, Harwell  
NP-Tr-598

Lube- Oil-Like Hydrocarbons From Products of a Pitch-High-Pressure Hydrogenation Works, by Randolph Riemschneider.

GERMAN, per, Angew Chemie, B19, 9293, 1947.

Dept of Interior  
TN7 E57 No 410

Physical-Chemical Properties of Fluorine, by E. Wicke, E. U. Franck, 38 pp.

GERMAN, per, Angew Chem, Vol LXVI, No 22, 1954, pp 701-710. 9080657

AEC Tr-4756

Properties of Rustless Austenitic Chromium-Nickel Steels Containing Boron for Nuclear Reactor Construction, by K. Bungardt, R. Oppenheim.

GERMAN, per, Archiv fuer Eisenhuettenwesen, Vol XXXII, Feb 1961, pp 95-101.

BISI 2305

The Effect of Copper on the Corrosion Behaviour and Mechanical Properties of Austenitic Chrome-Nickel Steels, by T. Ramchandran, et al.

GERMAN, per, Archiv fuer Eisenhuettenwesen, Vol XXXII, Mar 1961, pp 173-185.

BISI 2190

Scientific  
Chemistry (Contd)

Changes in the Plasticity of Bituminous Coals Due to Heating in the Atmosphere of Various Gases, by Michal Chorazy, Kazimierz Tomkow, 17 pp.

GERMAN, per, Biuletyn Instytutu Naukowo-Badawczego Przemyslu Węglowego, No 31, 1948, p 20.

OTS 60-21281

PL-480

Flame-Photometric Determination of the Alkali Content of Fuel Ashes, by W. Schuhknecht, H. Schinkel.

GERMAN, per, Brennstoff-Chemie, Vol XXXVIII, 1957, pp 275-277.

Dept of Interior

TN7 E57 No 413

New Methods for Simple Quantitative Determination of the Principal Constituents of Technical Phenol-Mixtures, by L. Rappen.

GERMAN, per, Brennstoff-Chemie, Vol XXXIX, 1958, pp 65-74.

Dept of Interior

TN7 E57 No 409

Determining the Ignition Temperature of Solid Fuels With the Aid of the Heating Microscope, by E. Gugel, 5 pp.

GERMAN, per, Brennstoff-Chemie, Vol XLI, No 21, 1960, pp 375-378.

Dept of Interior

TN7 E57 No 398

Large-Scale Slagging Producers of Gas for Chemical Syntheses, by F. Duftschmidt.

GERMAN, per, Chem-Ingr-Tech, Vol XXXII, No 12, 1960, pp 806-811.

Dept of Interior

TN7 E57 No 422

Engineering Principles in the Design of the Eurochemic Re-Processing Plant, by O. Henne.

GERMAN, per, Chem-Ingr-Tech, Vol XXXIII, No 3, 1961, pp 139-145.

\*AERE, Harwell

Tr No 1511

The Character and Constituents of Brown-Coal High-Temperature Tar II, by Erich Gundermann.

GERMAN, per, Chem Tech, Vol XII, No 8, 1960, pp 463-466.

Dept of Interior

TN7 E57 No 399

Organic Sulfur in Town Gas; A Review of the Literature, by W. Janicke.

GERMAN, per, Gas- und Wasserfach, Vol C, No 49, 4 Dec 1959, pp 1281-1284.

Dept of Interior

TN7 E57 No 369

Scientific  
Chemistry (Contd)

Relationship Between Wet Strength  
and Tendency to Defects of Green Sand,  
by W. Patterson, D. Boenisch.  
GERMAN, per, Glesserei, Vol XLVIII,  
6 Apr 1961, pp 157-166.

BCIRA 1010

Advantages of Melting With Calcium Carbide  
Additions in the Cold Blast Cupola, by  
G. Stephan.  
GERMAN, per, Glessereitechnik, Vol V,  
Jun 1959, pp 176-177.

BCIRA 1001

Contribution to the Knowledge of Procedures  
for Determining Nitrogen in Solid Fuels, by  
W. Radmacher, A. Hoverath.  
GERMAN, per, Gluckauf, Vol XCVI, No 18,  
1960, pp 1146-1152.

Dept of Interior  
TN7 E57 No 408

Nitriding by Inductive Heating in Aqueous  
Ammonia, by R. Palme, W. Track.  
GERMAN, per, Harterei-Technik und Warmebe-  
handlung, Vol VII, Mar 1961, pp 20-27.

\*BISI E 2387

Sex Hormone X, by H. R. Rosenberg,  
L. Ruzicka, M. W. Goldberg, 20 pp.  
GERMAN, per, Helv. Chim. Acta, Vol XVIII,  
No 187, 1935, pp 1487-1498.

Dept of Commerce  
Patent Office  
Sci Lib

Geochemistry. VII. Treatment Plant for  
Tritium in Natural Water, by E. Schumacher,  
32 pp.  
GERMAN, per, Helv Chim Acta, Vol XLIII,  
1960, pp 1019-1032.

AEC NP-Tr-607

Determination of Permability Tensors and  
Dielectric Constants of Ferrites at 3,000  
MG<sub>z</sub>, by W. Nowak. 22 pp.  
GERMAN, per, Hochfrequenztechnik und  
Elektroakustik, Issue 69, Jun 1960, No 3.

ACSI H-9511  
ID 2710486

Chromosome Number of Erythroblasts, by  
H. Weicker, K. H. Terwey.  
GERMAN, per, Klinische Wochenschrift,  
Vol XXXVI, No 23, 1958, pp 1132-1138.

\*AEC

Scientific  
Chemistry (Contd)

New Knowledge of Pickling With Phosphoric Acid and the Treatment of Waste Water, by R. Moran.  
GERMAN, per, Metall-Rein Vorbeh, Vol IX, May 1960, pp 69-71.

BISI 2280

Anhydrous Nitrates and Oxynitrates of Titanium and Zirconium, by V. Gutmann, H. Tannenberger.  
GERMAN, per, Monatshefte fuer Chemie, Vol LXXXVII, 1956, pp 421-424.

\*AERE, Harwell  
Tr No 1518

Water Stemming-Clay Stemming. Proposal for Simplifying the Stemming of Shots and Simultaneously Increasing Their Safety, by Alfred Holper.  
GERMAN, per, Nobel Hefte, No 2, Mar 1960, pp 67-68.

Dept of Interior  
TN7 E57 No 414

Effect of Preliminary Annealing in the Recovery Range on the Result of Recrystallization Annealing of Deep-Drawing Sheets, by G. Odone, V. Berruti.  
GERMAN, per, Stahl und Eisen, Vol LXXX, 21 Jul 1960, pp 1018-1023.

BISI 2307

Investigations on the Flow-Diffusion Effect. V. Separation of Gas Mixtures by Flow Diffusion as the Gas-Kinetic Reversal Effect of Thermodiffusion in a Cold Separating Tube, by Hans Tollert, 21 pp.  
GERMAN, per, Z fuer Elektrochemie, Vol LXI, No 9, 1957, pp 1224-1230. 9080651.

AEC Tr-4749

The Potassium Content of Chondrites, Achondrites, and Siderites, by H. Wanke, pp 62-74.  
GERMAN, per, Z Naturforsch, Vol XVIa, Jan 1961, pp 127-131.

AEC AFCL-TR-60-411

Scientific  
Chemistry (Contd)

Decomposition of Raw Phosphorus During  
Rotting of Stable Manure, by H. Doring,  
9 pp.  
GERMAN, per, Z fuer Pflanzenernahrung,  
Dungun Bodenkunde, Vol LXXIII (118),  
No 2, 1956, pp 97-101.

CSIR 162

Fluidization Technique Applied to the  
Construction of a High-Temperature Thermostat  
Bath, by H. Kramer.  
ITALIAN, per, Genie Chimique, Vol LXXVII,  
No 2, 1957, pp 25-33.

\*AERE, Harwell  
Tr No 1505

Process for Dehydration of Salts Con-  
taining Water, 6 pp.  
ITALIAN, patent no 282,164.

US Dept of Commerce  
Patent Office  
Sci Lib

Study on the Fabrication of the  $\text{BeO-UO}_2$   
Sintered Body by Means of Vacuum Hot-  
Pressing, by K. Kida, S. Nishigaki,  
R. Ueda.  
JAPANESE, per, Nihon Genshi-Ryoku Gakkai  
Shi, Vol III, No 3, 1961, pp 200-207.

\*AERE, Harwell  
Tr No 1492

Production of Spherical Thorium Dioxide.  
I. Conditions of Preparation of Spherical  
Thorium Hydroxide, by Y. Yamazaki,  
K. Yoshida, M. Komori.  
JAPANESE, per, Nihon Genshi-Ryoku Gakkai  
Shi, Vol III, No 5, 1961, pp 360-364.

\*AERE, Harwell  
Tr No 1499

On the Denaturation of  $\beta$ -Lactoglobulin by  
the Radiation of Ultraviolet Light (Part I),  
by S. Sakamura, Y. Obata, 9 pp.  
JAPANESE, per, Nihon Nogei Kagaku-Kai Shi,  
Vol XXXII, No 9, 1958, pp 667-670. 9080646

AERE, Harwell  
NP-Tr-680

The Production of Reactor-Grade Graphite,  
by Y. Saito, 7 pp.  
JAPANESE, per, Tanso, Vol VII, No 1, 1958,  
pp 16-19. 9079908

AEC NP-Tr-668

Process for Concentrating Dilute Salt  
Solutions by Freezing, 7 pp.  
NORWEGIAN, patent no 70,507.

US Dept of Commerce  
Patent Office  
Sci Lib



Scientific  
Chemistry (Contd)

The Physico-Chemical Problems of the  
Magnetizing Roasting of Iron Ores,  
by J. Trau.

POLISH, per, Hutnik, Vol XXVII, No 5,  
1960, pp 188-195.

\*BISI 2397

Synthesis of C-14 Labelled Potassium Oxalate  
and Oxalic Acid, by M. Zielinski, H. Wincel, 3 pp.  
POLISH, per, Roczniki Chem, Vol XXXII, No 5,  
1958, pp 1189-1190.

AEC NP-Tr-604

The Effect of Boron on the Structural Stability  
of Weldable, Creep-Resistant, 16/13 CrNiW Steels,  
by J. Lombardini.

SLOVAK, per, Zvaracsky Sbornik, Vol IX, No 1,  
1960, pp 51-68.

MT 196

Pesticides - Sampling, 9 pp.

SPANISH, per, Instituto Argentino de  
Racionalizacion de Materiales, Oct 1959.

CSIR 170

Absorption and Evolution of Hydrogen in  
Iron at High Temperatures, by F. Pihlstrand.  
SWEDISH, per, Jernkontorets Annaler, Vol CXXI,  
No 5, 1937, pp 219-231.

BISI 2224

The Kinetics of the Saponification of  
Dialkylphosphites I. Saponification With  
Hydrogen- and Hydroxyl-Ions, by Paul Nylen,  
29 pp.

SWEDISH, per, Svensk Kemisk Tidskrift,  
Vol XLIX, 1937, No 2, pp 29-52. 9080668.

AEC UCRL-Trans 679

Investigation of the Cathodic Reduction  
of Oxygen to Hydrogen Peroxide on a Carbon-  
Nickel Electrode, by T. M. Abramova,  
I. L. Gankina, G. S. Fomenko.  
UKRAINIAN, per, Dopovidi Ak Nauk, Ukr, RSR  
Vol IX, 1958, pp 974-976.

RAE 903

Conferences on Problems of Protecting  
Natural Waters and Improving the Quality  
of Water, by O. V. Sotnikova, 5 pp.

UKRAINIAN, per, Dopovidi Ak Nauk  
Ukrayinskoyi RSR, No 9, 1961, pp 1300-1302.

JPRS 8777

Coordinating Conference on the Problem of the  
Physical Basis of Strength and Plasticity,  
by L. V. Kolesov, 4 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrayinskoyi,  
RSR, No 9, 1961, pp 1304-1306.

JPRS 8777

Scientific  
Electricity

Converting Certain Non-Electrical Quantities  
Into Electrical Signals for Use With Contact-  
less Remote Control Units, by M. V. Kadzharov,  
3 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XXII,  
No 2, 1961, pp 271-273.

Interntl Physical Index  
Automation Express  
Vol III, No 3

Direct-Current Reversing Motor-Amplifiers,  
by I. P. Kopylov, 13 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Elektromekh, No 7, 1960, pp 72-79. 9671001

FTD MCL-1132/1

Advanced Experience and Routine, by S. Berlin,  
A. Gurevich, 4 pp.  
RUSSIAN, np, Moskovskaya Pravda, 15 Oct 1960,  
p 1.

JPRS 9866

Electricity-Born in Flame, by V. Kostrov.  
RUSSIAN, per, Tekh-Molodezhi, No 1, 1961,  
pp 2-5.

\*FTD TT-61-73

Voltage Stabilization of Generators Having  
Permanent Magnets, by N. Ya. Al'per,  
N. N. Pleschchunov.  
RUSSIAN, per, Vest Elektroprom, No 9, 1958,  
pp 29-34.

RAE 911

Pulse Counter 403, 11 pp.  
CZECH, per, Slaboproudy Obzor, Vol XIX,  
No 12, 1958, pp 832-835.

USASIA: H-6628-B

Photoelectric Resistor From Sintered  
Cadmium Sulfide, 10 pp.  
CZECH, per, Slaboproudy Obzor, Vol XX,  
No 9, 1959, pp 556-559.

USASIA: H-6634-B

Diesel-Electric Rack-Railcars.  
FRENCH, per, La Vie Du Rail, No 87,  
Jun 1961, pp 13-15.

\*525th MI Gp  
H-9970  
ID 2174791

Scientific  
Electronics

The Relation Between Lightning Discharges  
and Whistlers, by Harold Norinder,  
Edgar Knudsen, 11 pp.  
RUSSIAN, rpt.

Planet & Spac Sci  
Vol I, No 3  
PP

Application of Radio-Electronics to Medicine  
and Biology, by V. V. Parin, 18 pp.  
RUSSIAN, bk, Elektronika v Meditsine, 1960,  
pp 19-37.

JPRS 10012

The Military Application of Electronic  
Computers, by V. A. Plisko, 87 pp.  
RUSSIAN, bk, Elektronnyye Mashiny v  
Voyennom Dele, 1960, 9670987

FTD MCL-898/1

Single-Band Modulation Aided by a Phase  
Circuit, by B. B. Shteyn, N. A. Chernyak,  
(NY-6722).  
RUSSIAN, bk, Odnopolosnaya Modulyatsiya s  
Pomoshch'yu Fazovyykh Skhem, 1959, pp 2-164.

\*JPRS

The Use of Magnetic Recording, by Anatoliy  
Fedorovich Yoffe  
RUSSIAN, bk, Primeniye Magnitnoy Zapisi,  
1959, pp 59-102.

\*FTD TT-61-84

Remote Control, by V. S. Malov.  
RUSSIAN, bk, Telemekhanika, Moscow,  
1960, pp 66-88.

\*FTD TT-61-17

On the Dynamic Operating Modes of an  
Asynchronous Motor Controlled by the  
Supply Voltage Frequency of the Motor,  
by Yu. N. Rozov, 8 pp.  
RUSSIAN, per, Avtomatika, No 1, 1960,  
pp 63-68. 9671000

FTD MCL-1131/1

Electronic Decoding and Coding Function  
Generators, by V. B. Smolov, 3 pp.  
RUSSIAN, per, Avtomat i Telemekh, Vol XXII,  
No 2, 1961, pp 209-215.

Interntl Physical Index  
Automation Express  
Vol III, No 9

On the Design of Push-Pull Magnetic  
Amplifiers, by V. L. Benin, 3 pp.  
RUSSIAN, Avtomat i Telemekh, Vol XXII,  
No 3, 1961, pp 393-399.

Interntl Physical Index  
Automation Express  
Vol III, No 9

Scientific  
Electronics (Contd)

A Wire Frequency Resonator for Telemetering,  
by Yu. I. Pivovarov, Yu. M. Tsodikov,  
RUSSIAN, per, Avtomatika i Telemekh, Vol XXII,  
No 4, 1961, pp 539-542.

\*FTD-TT-61-122

Remote Control of the Circuit Breakers on a  
High-Voltage Line, by V. S. Skaballanovich,  
4 pp.  
RUSSIAN, per, Avtom, Telemekh i Sviaz', No 4,  
1961, pp 21-25.

Interntl Phys Index  
Power Express  
Vol I, No 1

The Application of Electronic Computers to  
the Construction of the Theories of Planetary  
Motions, by N. G. Polozova, 64 pp.  
RUSSIAN, per, Byul' Inst Teoret Astron,  
Vol VII, No 8, 1960, pp 599-638. 9670983

FTD MCL-890/1

A Two-Channel Set for High Frequency  
Communication on Transmission Lines, by  
V. G. Kagan, E. U. Lubman.  
RUSSIAN, per, Elektricheskiye Stantsii, No 2,  
1960, pp 78-81.

\*FTD TT-61-16

Introducing Television Techniques Into  
Power Engineering, by V. V. Kulikov, 13 pp.  
RUSSIAN, per, Elektricheskiye Stantsii, Mar  
1961, pp 2-6.

JPRS 9866

An Analytical Method for Calculating the  
External Rating of A. C. Generators Energized  
by Permanent Magnets, by F. F. Galtayev.  
RUSSIAN, per, Elektrichestvo, No 8, 1959,  
pp 30-35.

RAE 936

Selected Articles From the Russian  
Periodical Elektrosvyaz'.

No 4, 1960.  
Coding Stability With Respect to Fading  
(Antifading Coding), by E. L. Blokh,  
A. A. Kharkevich, 7 pp, (pp 3-6).

USASIA Tr 1227

Calculation of Intermediate-Frequency  
Amplitudes for Radio Relay Stations of  
Communication Lines With Frequency  
Multiplexing, by B. A. Kalabekov, 14 pp.  
(pp 38-48).

USASIA Tr 1228

Scientific  
Electronics (Contd)

Selected Articles From the Russian  
Periodical Elektrosvyaz'. (Contd)

No 4, 1960.

Cross-Distortion in the Joint Transmission  
of Television and Telephone Signals, by  
B. R. Levin, Yu. T. Maksimov, L. P. Merkader,  
19 pp, (pp 49-61).

USASIA Tr 1229

Criteria for Estimating the Quality of  
Telegraphic Transmission, by N. B. Zeliger,  
15 pp, (pp 62-71).

USASIA Tr 1230

No 6, 1960.

Calculation of Noise in the Channels of a  
Radio Relay Line With the Introduction of  
Predistortions, by E. L. Gerenrot, 8 pp,  
(pp 28-32).

USASIA Tr 1231

Long-Range Tropospheric Propagation of  
Ultrashort Waves, by A. I. Kalinin,  
20 pp, (pp 39-49).

USASIA Tr 1232

Parameters of a Overhead Communication Line  
at High Frequencies, by V. V. Roditi, 6 pp,  
(pp 54-57).

USASIA Tr 1233

Influence of Direct-Current Electric Rail-  
ways on the Long-Distance Supply Networks  
of Symmetrical Cable Trunk Line Apparatus,  
by V. M. Bushuyev, 11 pp, (pp 58-65).

USASIA Tr 1234

No 8, 1960.

On the Combination Reception of Signals  
Separated by Means of Arrival Angle in  
Long-Distance Tropospheric UHF Communication,  
by A. S. Nemirovskiy, 10 pp, (pp 19-25).

USASIA Tr 1197

Electromagnetic Coupling Between Twisted  
Circuits in High-Frequency Cables of  
Symmetrical Construction, by V. O. Shvartsman,  
13 pp, (pp 65-73).

USASIA Tr 1198

No 9, 1960.

Potential Noise Stability in Short-Wave  
Radio-Telegraphy, by D. D. Klovskiy, 13 pp,  
(pp 3-11).

USASIA Tr 1199

Scientific  
Electronics (Contd)

Selected Articles From the Russian  
Periodical Elektrosvyaz'. (Contd)

No 9, 1960.

Design of Resonance Ferrite Tubes, by  
A. L. Mikayelyan, A. K. Stolyarov,  
17 pp, (pp 42-51).

USASIA Tr 1200

No 10, 1960.

Protective Effect of a Periscopic Antenna  
System, by A. M. Pokras, 10 pp, (pp 21-26).

USASIA Tr 1201

Waveguides With Low Losses, by  
Yu. I. Kaznacheyev, 10 pp, (pp 47-52).

USASIA Tr 1202

Determination of the Transmission Level  
in HF Telephone System Operating on Pre-  
Selection, by S. A. Dvorkin, 12 pp,  
(pp 62-69).

USASIA Tr 1204

No 11, 1960.

Frequency and Amplitude Detection of the  
Beats of Two Harmonic Voltages, by  
V. M. Sidorov, 21 pp, (pp 3-14).

USASIA Tr 1206

Achievement of Highly-Stable Variable  
Frequency by Means of Phase Self-Tuning,  
by B. P. Terent'yev, V. V. Shakhgil'dyan,  
11 pp (pp 15-20).

USASIA Tr 1205

On the Design of Pulse Transformers Using  
Ring Ferrite Cores, by S. P. Mironov,  
13 pp, (pp 26-33).

USASIA Tr 1207

Waveguide Line Elements and Equipment,  
by Yu. I. Kaznacheyev, 11 pp, (pp 48-53).

USASIA Tr 1208

Selection of the Twist Spacing for HF  
Communication Cable Circuits, by  
V. O. Shvartsman, 14 pp, (pp 54-61).

USASIA Tr 1209

On Certain Classes of Ternary Codes,  
by K. A. Meshkovskiy, 13 pp, (pp 62-70).

USASIA Tr 1210

The "IGLA" TV Transmitting Station, by  
G. S. Borisov, 3 pp, (pp 74, 75).

USASIA Tr 1211

Scientific  
Electronics (Contd)

Selected Articles From the Russian  
Periodical Elektrosvyaz'. (Contd)

No 12, 1960.

Efficiency and Interference-Suppression  
of Different Methods of Double Signal  
Transmission, by B. M. Pevzner, 14 pp,  
(pp 11-18).

USASIA Tr 1212

Certain Problems Involving the Operation  
of a Ratio Detector, by B. I. Savitskiy,  
15 pp, (pp 19-28).

USASIA Tr 1213

Parameters of a Semiconductor Triode Under  
Frequency Conversion Conditions, by  
M. E. Movshovich, 14 pp, (pp 29-37).

USASIA Tr 1214

Quantum Paramagnetic Amplifiers of Ultra  
High Frequencies, by V. B. Shteynshleyger,  
12 pp, (pp 38-44).

USASIA Tr 1215

Contactless Telegraphic Test Signal Emitter,  
by K. A. Brusilovskiy, Z. I. Karazey, 9 pp,  
(pp 56-60).

USASIA Tr 1216

Receiver With Floating (Random) Threshold,  
by L. F. Borodin, 14 pp, (pp 61-68).

USASIA Tr 1217

Certain Problems of Antenna Design, by  
G. A. Savitskiy, 7 pp, (pp 69-71).

USASIA Tr 1218

No 5, 1961, pp 18-25.

USASIA Tr 1226

Pass Bandwidth in Single and Diversity  
Reception of Long-Range UHF Signals of  
Tropospheric Propagation, by  
A. S. Nemirovskiy, 15 pp.

New Relays, 10 pp.

RUSSIAN, per, Energetik, Apr 1961, pp 36-39.

JPRS 9866

On the Dynamics of External Regulation Systems  
With Memory Under Low Frequency External  
Disturbances, by A. P. Yurkevich, 21 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
Energet i Avtomat, No 6, 1960, pp 123-132.  
9670743

FTD MCL-1075/1

Scientific  
Electronics (Contd)

On the Design of Electronic Delay Blocks,  
by M. Ya. Ginzburg, V. L. Shipakov, 4 pp.  
RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk,  
Energet i Avtomat, No 1, 1961, pp 164-165.

Interntl Physical Index  
Automation Express  
Vol III, No 9

Reproducing Systems Correction With the Aid of  
Filters Based on Lag Elements, by V. I. Gukov,  
16 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
Energet i Avtomat, No 2, 1961, pp 134-143.

JPRS 4831

Automatic Precision Device for Determining the  
True Course and the Latitude of a Place, by  
A. F. Khokhlov.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Priborostroyeniye, Vol III, No 5, 1960,  
pp 52-62.

\*FTD TT-61-42

People of Indomitable Energy, by S. Levin,  
4 pp.  
RUSSIAN, np, Kommunist, 6 Oct 1960, p 2.

JPRS 9866

Television Center in Leningrad, by  
N. Mikhaylov, A. Solovey, 11 pp.  
RUSSIAN, per, Radio, No 5, 1961, pp 3-5.

JPRS 9942

Radio Range Finder With Frequency Modulation in  
the Presence of the Effects of Noises and  
Fluctuations of Echo Signals, by G. P. Tartakovskiy,  
17 pp.  
RUSSIAN, per, Radiotekhr i Elektron, Vol VI, No 4,  
1961, pp 536-544.

USASIA Tr 1236

Radio Electronics, Television, 1 pp.  
RUSSIAN, np, Sovetsky Patriot, 19 Apr 1959.

USASIA: SC-3/60

Selected Articles From the Chinese  
Periodical Tien Hsin-k'o Hsueh, No 7, 1959.

\*FTD TT-61-25

A General Description of Pulse-Code  
Modulation, by Wang Tuan-hsiang, (pp 1-7).

Automatic Remote Control for Unattended  
Repeater Stations, by Ch'en Ho-chian,  
Yang T'ung-chou, (pp 8-13).



Scientific  
Electronics (Contd)

Selected Articles From the Chinese Periodical  
Tien Hsin-k'o Hsueh, No 7, 1959. (Contd)

\*FTD TT-61-25

Testing and Analyzing Error Correction  
Capabilities of the Teletype Receiving  
Machine, by Chang Feng-llou, (pp 18-22).

An Electronic Switchboard Lecture III  
Essential Circuit Components, by  
Ch'en Hu, Hung Fu-ming, (pp 46, 58-62).

Application of Transistors to Communica-  
tions Facilities I, (pp 52-57).

Czechoslovak Report on Miniature Electron  
Tubes, 35 pp.

CZECH, bk, Ceskoslovenske Miniaturni  
Elektronky, pp 133-144, 151-162, 222, 226.

JPRS 8791

Parametric Amplifiers, by V. Zima.  
CZECH, per, Ceskoslovensky Casopis Pro  
Fysiku, No 5, 1960, pp 499-510.

\*FTD TT-61-15

On Radial Contraction of a Low Pressure Arc  
in Mercury Vapour, by Albert Kloss.  
CZECH, per, Elektrotechnicky Obzor, Vol XLIX,  
No 7, 1960, pp 367-372.

\*FTD TT-61-92

Selected Articles From the Czech  
Periodical Slaboproudy Obzor.

Vol XX, No 8, 1950, pp 496-498.  
Experience With the Tropicalization of  
Electronic Instruments, 8 pp.

USASIA: H-6633-F

Vol XIX, No 3, 1958.  
Coaxial Trimmer Capacitors With Glass or  
Quartz Dielectrics, 22 pp, (pp 122-128).

USASIA: H-6624-A

A Method for the Approximate Computation  
of Microwave Aerial Radiation Patterns,  
9 pp, (pp 166-168).

USASIA: H-6624-C

Scientific  
Electronics (Contd)

Selected Articles From the Czech Periodical  
Slatoproudý Obzor. (Contd)

Vol XIX, No 4, 1958.

Oscillography of Transistor Characteristics,  
20 pp, (pp 201-205).

USASIA: H-6625-A

New Types of Alkaline Accumulators, 19 pp,  
(pp 260-265).

USASIA: H-6625-B

Vol XIX, No 6, 1958.

Contribution to the Measurement of the  
Capacity of Junction Transistors, 14 pp,  
(pp 351-354).

USASIA: H-6626-A

Low Frequency Measuring Apparatus For the  
Telephone Technician, 8 pp, (pp 363-365).

USASIA: H-6626-B

Vol XIX, No 11, 1958, pp 702-711.  
Recuperative Amplifier, 34 pp.

USASIA: H-6627-A

Vol XIX, No 12, 1958.

Broadcast Sender Tesla FM 1 for Frequency  
Modulation, 11 pp, (pp 792-795).

USASIA: H-6628-A

Batteries for Radiosondes, 15 pp,  
(pp 845-849).

USASIA: H-6628-C

Vol XIX, No 11, 1959, pp 711-716.  
Short-Haul Telephone Carrier Systems,  
16 pp.

USASIA: H-6627-B

Vol XX, No 2, 1959, pp 92-98.  
Meter of Group Delay, 19 pp.

USASIA: H-6630

Vol XX, No 3, 1959.

Meter for the h-Parameters of Transistors,  
21 pp, (pp 157-164).

USASIA: H-6631-A

Dependence on Temperature of Electric  
Resistivity of Semiconductive Thermistor  
Materials, 11 pp, (pp 180-184).

USASIA: H-6631-B

Vol XX, No 5, 1959, pp 287-292.

Some Uses of the Manganese-Magnesium  
Ferrite in Microwave Techniques, 15 pp.

USASIA: H-6632

Scientific  
Electronics (Contd)

Selected Articles From the Czech  
Periodical Slaboproudý Obzor. (Contd)

Vol XX, No 10, 1959, pp 630-633.  
Basic Problems of Telecommunication  
in Space, 12 pp.

USASIA: H-6635-B

Vol XX, 1959, pp 777-779.  
Twenty Years of Production of Czechoslovak  
High-Frequency Equipment (Carrier Telephone  
Equipment) For Power Plants, 5 pp.

USASIA: H-6637-B

Vol XX, No 8, 1959, pp 473-475.  
Electrotechnical Climatic Technology in  
the Czechoslovakian Republic and Abroad,  
9 pp.

USASIA: H-6633-A

Vol XX, No 11, 1959, pp 687-691.  
Local Television Transmitter Tesla  
12KJ030, 17 pp.

USASIA: H-6636-A

Vol XX, No 12, 1959, pp 743-753.  
Dynamic Characteristics of Junction  
Transistors in Pulse Operation, 21 pp.

USASIA: H-6637-A

Vol XXI, No 3, 1960, pp 131-134.  
Connection Between Prague and Berlin by  
Tropospheric Scatter at 1.2 Gigantocycle,  
9 pp.

USASIA: H-6640

S-PC-1 Antennas for Responder Radar Mounted  
on "Veronique" Rockets, by Jean Menu,  
Pierre Blassel, 7 pp.  
FRENCH, rpt, Centre National d'Etudes des  
Telecommunication, Etude No 578 TC, 1960.

Amer Meteorol Soc T-F-35

Some Considerations on Radio Wave Propagation  
Through the troposphere, by J. A. Saxton, 33 pp.  
FRENCH, per, L'Onde Electrique, Vol XL, 1960,  
p 505.

USASIA Tr 1235

Scientific-Technical Reports From the Field  
of Radio and Telecommunications Engineering,  
75 pp.  
GERMAN, rpt.

USASIA: H-6574

The 100W Transmitter-Receiver, 13 pp.  
GERMAN, rpt, pp 1-15.

USASIA: H-6577

Scientific  
Electronics (Contd)

The 300-Watt Short Wave Transmitter,  
8 pp.  
GERMAN, rpt, pp 1-9.

USASIA: H-6578

The 300 Watt Medium Wave Transmitter,  
7 pp.  
GERMAN, rpt, pp 1-10.

USASIA: H-6579

The BV-8 Broad Band Amplifier, 3 pp.  
GERMAN, rpt, pp 1-4.

USASIA: H-6581

Sonic Depth Finder HAG 400, 6 pp.  
GERMAN, rpt, pp 1-12.

USASIA: H-6582

Calibration-Marking Generator, 6 pp.  
GERMAN, rpt, pp 1-4.

USASIA: H-6583

The 300-Watt Short Wave Transmitter FGS,  
140 Type 1524.5A1, 61 pp.  
GERMAN, rpt.

USASIA: H-6584

Antennas for Main-Line Short-Wave-Radio  
Communications, 104 pp.  
GERMAN, mono, Antenny dlya Magistral'nykh  
Kortkovolnovykh Radiosvyazey, 1948.

USASIA: H-6585

Some Observations Concerning the Optimal Sonar  
Frequency, by H. Thiede.  
GERMAN, per, Acustica, Vol XI, 1961, p 22.

\*Navy USRL Tr 19

The Development of the German Submarine Cable  
System From 1934 to 1956 With Special Reference  
to Wartime Events, by Gerd Nebel,  
34 pp.  
GERMAN, per, Archiv fur das Post- und  
Fernmeldewesen, Vol IX, No 3, Jun 1957, pp 161-182.

USASIA: SC-138/60

Electric Resistance Welding of Tubes at  
Higher Frequencies, by J. K. Bohnen.  
GERMAN, per, Blech, Vol VII, No 10, 1960,  
pp 650-653.

BISI 2204

Our Electronic Computer, the ER 56,  
Scientist and Manager, by Nathanson, 8 pp.  
GERMAN, per, Draht und Welle, Vol X, No 11,  
Feb 1960, pp 10-11.

USASIA: SC-152/60

Scientific  
Electronics (Contd)

Electronic Counter for the Measurement of  
Frequencies and Minimal Time Intervals,  
by Klaus Pfaff, 8 pp.

GERMAN, per, Elektronik, No 10, October  
1958, pp 305-307.

USASIA: SC-200a/60

A Method of Improving the Definition of  
Photographic, Radiographic and Radioscopic  
Images, by Karl Kohler, 11 pp.  
GERMAN, per, Frequenz, Vol XV, No 1, pp 12-17.

ACSI H-9315  
ID 2170459

A. Radar Antenna With Non-Reciprocal  
Polarization Behavior, by K. E. Muller,  
11 pp.

GERMAN, per, Nachrichtentechnik, No 9,  
1960, pp 398-401.

ACSI H-8989-A  
ID 2166426

B. Horn Radiators as Gain Standards,  
by J. Goller, 8 pp.

GERMAN, per, Nachrichtentechnik, No 9,  
1960, pp 414-422.

ACSI-H-8989-B  
ID 2166426

The Significance of Stable Frequencies for CW  
(Continuous Wave) Radar Techniques and the  
Generation of Highly Stable Frequencies, by  
W. Herzog.

GERMAN, per, Nachrichtentechnischen Z, Vol XXI,  
No 1, 1960, pp 29-33.

RAE 907

Supersonic Velocities in High Vacuum, by  
H. Klumb, E. Robens, O. Scholz, 4 pp.

GERMAN, per, Naturwissenschaften, Vol XL,  
1953, pp 196-197.

AERE, Harwell  
NP Tr-522

Our Engineering on the Road to Progress,  
1 pp.

GERMAN, per, Nauka i Tekhnika za Mladezhata,  
No 9, 1959.

USASIA SC-226/60

New Computation System for Communications  
Enterprises, by R. Todorov, 5 pp.

GERMAN, per, Poshtenets, Vol X, No 11,  
1959, pp 7-8.

USASIA SC-187/60

Transistorized Miniature Radio Transmitters:  
Short Description of Equipment Used, by  
Hossner, 4 pp.

GERMAN, per, Radio und Fernsehen, Vol XXIV,  
No 9, 1960, pp 766-767.

JPRS 4908

Scientific  
Electronics (Contd)

New Methods and Results of Television

Network Planning, by H. Eden, H. W. Fastert,  
K. H. Kaltbreitzer, 7 pp.

GERMAN, per, Rundfunktechnische Mitteilungen,  
Vol IV, No 2, 1960, pp 41-47.

USASIA Tr 1194

Through-Switching in Directional Radio

Relay Stations, by Alois Egger, 15 pp.

GERMAN, per, Rundfunktechnische Mitteilungen,  
Vol IV, No 2, 1960, pp 80-94.

USASIA Tr 1196

Determining Gain and Directional Characteristics  
of a Yagi Antenna for Decimeter Waves, by  
Dieter Stahl, 7 pp.

GERMAN, per, Rundfunktechnische Mitteilungen.  
Vol IV, No 2, 1960, pp 85-87.

USASIA Tr 1195

Selected Articles From the German Periodical  
Telefunken Zeitung, Vol XXXIII, No 123, Jun 1960.

Remote Control Equipment for Unattended  
Telecommunication Stations, by  
E. Saramowski, 26 pp, (pp 109-119).

USASIA Tr 1220

The Deflector as Part of a Directional  
Antenna System, by H. D. Kuhne, 24 pp,  
(pp 120-131).

USASIA Tr 1221

Explaining the Properties of Microwave  
Ferrites by Means of Forced Precession  
of Gyros, 19 pp, (pp 132-140).

USASIA Tr 1222

Receiving and Timing Bearings in Sea Water  
on Electromagnetic Waves, 22 pp, (pp 141-150).

USASIA Tr 1223

Explosion Protected Radio Devices, 3 pp,  
(p 151).

USASIA Tr 1224

Telecommunications Items, East Germany,  
1956-1958, 174 pp.

GERMAN, per, Verfugungen und Mitteilungen  
des Ministeriums fur Post- und Fernmeldewesen,  
1956-1957.

USASIA: 80-70/60

Control of Electronic Currents With a Three-  
Electrode Crystal and a Model of a Depletion  
Layer, by R. Hilech, R. W. Pohl.

GERMAN, per, Z. Phys., Vol III, 1938-1939,  
1939.

USASIA: 80-70/60  
ID 217-7/6

Scientific  
Electronics (Contd)

Semiconductor Rectification, by  
Pal Heimann, 6 pp.  
HUNGARIAN, per, Ipari Energiagazdalkodas,  
Vol II, No 5, 1961, pp 109-112.

JPRS 4800

Volumetric Density of Radio Echoes From  
Meteor Trails in Radar Reception, by  
Nello Carrara, Pier Francesco Checcacci,  
Anna Consortini, Laura Ronchi, 29 pp.  
ITALIAN, per, Alta Frequenza, Vol XXI,  
No 6, Dec 1960, pp 615-635.

USASIA Tr 1184

Electrification of the Lines Poistoia-  
Lucca-Viareggio and Lucca-Pisa, by Michele Dard,  
5 pp.  
ITALIAN, per, Trasporti Pubblici, No 11/12,  
1960, pp 1547-1552.

ACSI H-9887  
ID 2174779

Report on the Berlin Conference of the  
Fourth Study Group of the International  
Radio and Television Organization, by  
M. R., 5 pp.  
POLISH, per, Biuletyn Techniczny Radia i  
Telewizji, Vol VI, No 2, Apr-Jun 1961, pp 29-31.

JPRS 8761

Integrating Circuit With Error Compensation  
for the Intergration of Long-Time Displacement  
Processes, by Herzy Kopka.  
POLISH, per, Pomiary, Automatyka, Kontrola,  
No 3, 1960, pp 94-96.

\*FTD TT-61-22

Design of Light Condensers, by Henryk Wierzba.  
POLISH, per, Przegląd Elektrotechniczny, No 9,  
1960, pp 355-359.

\*FTD TT-61-24

Transmitting Equipment of a System of Non-  
periodic Impulses in Long-Range Telemetry,  
by Henryk Kuniewski, 20 pp.  
POLISH, per, Przegląd Telekomunikacyjny,  
Vol XXXVI, No 3, 1961, pp 78-84.

JPRS 8771

Combatting Noise in Rooms With Telecommunica-  
tions Equipment, by Iordan I. Vasilescu, 14 pp.  
ROMANIAN, per, Telecommunicatii, Vol IV, No 6,  
1960, pp 261-267.

JPRS 8733

Local Electron Densities Deduced From the  
Faraday Fading of Satellite Transmissions  
Using Measurements During Two Consecutive  
Transits, by L. Liszka, 10 pp.  
SWEDISH, rpt.

Planetary & Space Sci  
Vol V, No 3, Jul 1961  
PP

Scientific  
Engineering

What Is Cybernetics?, by N. Vasil'yev,  
(DC-6333).

RUSSIAN, booklet, Bloknot Agitatora,  
No 7, Mar 1961, pp 31-35.

\*JPRS

Geodesy, Reference Manual, by

M. D. Ponch-Bruyevich.

RUSSIAN, bk, Geodeziya, Spravochnoye  
Rukovdstvo, Vol IX, Chapter II, Section  
D-2, 1949, pp 133-153.

\*ACIC

Interpretation of Magnetic and Gravimetric  
Anomalies Over Anticlinal Structures, by  
A. A. Yun'kov.

RUSSIAN, bk, Interpretats'ya Magnitnykh i  
Gravitatsionnykh Anomaliy Nad Antiklinalnymi  
Strukturami, 1959.

\*ACIC

On the Mechanism of Diffusion Along Grain  
Boundaries, by S. M. Klotsman, A. N. Orlov.

RUSSIAN, bk, Issledovaniya po Sharoprochnym  
Splavam, Ak Nauk SSSR Inst Metallurgii  
imeni A. A. Baikova, Vol IV, 1959, pp 90-95.

Fulmer Res Inst 152

Methods of Mathematical Statistics in

Cartography, by M. K. Bocharov.

RUSSIAN, bk, Mathmatiko-Statisticheskiye  
Metody v Kartografii, 1957, 231 pp.

\*ACIC

Installation of Plant for the Continuous  
Casting of Steel, by A. D. Akimenko, et al.

RUSSIAN, bk, Osvoyeniye Nepriyvnoi Razlivki  
Stali, Chap II, III, 1960, pp 40-118, 119-226.

\*BISI 2380

Calculating Machine for Determining Linear  
Transformations of Signals, by T. B. Kalinina,  
F. M. Gol'tsman, (DC-6331).

RUSSIAN, bk, Prikladnaya Geofizika, No 28,  
1960, pp 23-24.

\*JPRS

Influence of Outer Zones on Widening and  
Distribution of Speeds and Stresses Across the  
Width of a Strip During Rolling, by

A. I. Tselikov.

RUSSIAN, bk, Problemy Metallurgii, 1953,  
Moscow, pp 392-406.

BISI 632



Scientific  
Engineering (Contd)

Hydraulic Computation of Weirs, 76 pp.  
RUSSIAN, bk, Proizvodstvenno-Tekhnicheskoe  
Upravlenie po Stroitel'stvu i Montazhu, 1923.

OTS 60-21864  
PL 480

Statistical Analysis of Operating Conditions in  
Cast Iron Foundry Practice, by Anezka Zaludova,  
20 pp.  
RUSSIAN, rpt, Sbornik Prednasek Pracovniku  
Vyzkumneho Ustavu Tepelne Techniky, 1956,  
pp 144-162. 9080665

AEC Tr-4540

Missile Against Missile, by  
Mikhail Nikolayevich Nikolayev, (DC-6300).  
RUSSIAN, bk, Snaryad Protiv Snaryada, 1960,  
pp 1-148.

\*JPRS

Production Engineers Handbook, by  
B. G. Butkin, Ye. N. Levinson.  
RUSSIAN, bk, Spravochnik Tekhnologiya -  
Mashinostroitela Mashgiz, Vol I, 1958,  
pp 403, 424-430.

\*FTD-TT-61-6

Theory and Design of Pumps for Liquid-Fuel  
Rocket Engines, by B. V. Ovsyannikov, 312 pp.  
RUSSIAN, bk, Teoriya i Raschet Nasosov  
Zhidkostnykh Raketnykh Dvigatelye, 1960,  
247 pp. 9670775-V

FTD-MCL-841/1

Forward Flow and Coefficient of Friction  
in Rolling, by T. M. Golubev, M. A. Zaikov.  
RUSSIAN, bk, Trudy Sibirskogo Metallurgicheskogo  
Instituta imeni S. Ordzhonikidze, 1954, pp 69-  
121.

BISI 2049

Some Questions of the Thermal Durability in  
Reactor Construction, by Ya. B. Fridman,  
N. D. Sobolev.  
RUSSIAN, per, Atom Energ, Vol X, No 6, 1961,  
pp 606-619.

\*FTD-TT-61-30

On Certain Properties of Static Optimizing  
Controllers, by V. M. Kuntsevich, 11 pp.  
RUSSIAN, per, Avtomatika, No 2, 1961,  
pp 24-28.

JPRS 4867

A Method of Eliminating Ballistic  
Deviations in a Three-Axis Gyroscopic  
Stabilizer, by O. P. Boychuk,  
M. Ye. Temchenko, 15 pp.  
RUSSIAN, per, Avtomatika, No 2, 1961, pp 44-52.

JPRS 4866

Scientific  
Engineering (Contd)

Gor'kiy Oblast Conference of Welders,  
by Yu. A. Yuzvenko, 3 pp.  
RUSSIAN, per, Avtomat Svarka, No 5,  
1961, pp 95-96.

JPRS 4841

Graphs for Determining the Parameters of  
a Steady-State Air Flow Through Systems of  
Calibrated Orifices in Pneumatic Regulators,  
by L. A. Zalmanzon, 20 pp.  
RUSSIAN, per, Avtomat i Telemekh, Vol XIII,  
No 2, 1952, pp 176-192.

ACSI H-8396  
ID 2161164

On Methods for Realizing a Finite Automation  
Whose Cycling Is Determined by the Variation  
of the Input State, by M. A. Aizerman,  
L. A. Gusev, L. I. Rozonoyev, 4 pp.  
RUSSIAN, per, Avtomat i Telemekh, Vol XXI,  
No 12, 1960, pp 1576-1594.

Interntl Physical Index  
Automation Express  
Vol III, No 9

A New System of Pneumatic Computing Devices,  
by G. T. Berezovets, et al, 9 pp.  
RUSSIAN, per, Avtomat i Telemekh, No 1,  
1961, pp 111-118.

ACSI H-9309  
ID 2170452

Methods and Results of Tests on Steering  
Mechanics for Wear, by M. I. Lysov.  
RUSSIAN, per, Avtomobil Prom, No 7, 1959,  
pp 27-30.

DSIR LLU RTS 1511

Improvement of Oil Filtering by Centrifuge  
With Additional Magnetic Separator, by  
Gol'dfel'd, Vaysbut.  
RUSSIAN, per, Avtomobil Prom, No 4, 1961,  
pp 12-14.

\*ACSI I-0067  
ID 2174796

Unit for Obtaining Ultra-Fine Cast Wire in  
Glass Insulation From Liquid Metal, by  
Rybalka, Shapovalov.  
RUSSIAN, per, Byul Tekh-Ekon Informatsii, No 6,  
Sep 1959, pp 19, 20.

\*ACSI H-9968  
ID 2174790

Distortion of the Characteristics of Electric  
Motors Having a Wide Range of Speed, by  
I. Z. Ageyev.  
RUSSIAN, per, Elektrichestro, No 11, 1959,  
pp 52-56.

RAE 914

Scientific  
Engineering (Contd)

The Science of Reliability, by  
A. I. Berg, 12 pp.  
RUSSIAN, np, Ekon Gazeta, No 184 (087),  
4 Jun 1961, p 3.

JPRS 4845

Basic Regulations on the State Geodetic  
Network in the Chinese People's Republic  
(Draft), 7 pp.  
RUSSIAN, per, Geodez i Kartog, No 5, 1961,  
pp 70-75.

JPRS 4894

Selected Articles From the Russian  
Periodical Gid i Melior.

No 1, 1956, pp 28-34.  
Sand Traps on Canals, by O. L. Yushmanov,  
11 pp.

OTS 60-21107  
(PL-480)

Vol VIII, No 8, 1956, pp 33-40.  
Evaluation of the Horizontal Soil Anisotropy  
During Determination of the Discharge of the  
Seepage Flow Under Hydraulic Constructions,  
by G. Ruban, 12 pp.

OTS 60-21153  
(PL-480)

No 8, 1958, pp 20-27.  
Principles of Engineering Calculations for  
Loess Soils Deformation Under Irrigation  
Installations, by A. L. Rubinshtein, 11 pp.

OTS 60-21159  
(PL-480)

Vol X, No 1, 1958, pp 22-29.  
Experiments in the Use of Cobalt and  
Iodine Radioactive Isotopes in Land  
Improvement Investigations, by  
S. V. Astapov, V. A. Emel'yanov,  
K. N. Shishkov, 13 pp.

OTS 60-21151  
(PL-480)

Vol X, No 3, 1958, pp 18-25.  
Ramming Roller for Soil Compaction, by  
G. T. Dadayev, 13 pp.

OTS 60-21158  
(PL-480)

Organization of the Construction of Hydroelectric  
Power Stations, by I. I. Kandalov, (SF-1999).  
RUSSIAN, per, Gidrotekh Stroitel, No 2, 1961,  
pp 64, inside back cover.

\*JPRS

The Realization of Healthier Working Conditions  
at Concrete Plants and in the Concrete Shops  
of Plants for Reinforced Concrete Products,  
by V. M. Retnev, 7 pp.  
RUSSIAN, per, Gig i San, No 6, 1961, pp 29-32.

JPRS 10075

Scientific  
Engineering (Contd)

Effect of the Divergence Angle on the Position of the Shock Wave in a Supersonic Nozzle for Uncalculated Conditions in the Presence of Heat Transfer, by S. I. Kosterin. RUSSIAN, per, Inzhenero-Fiz Zhur, No 4, 1961, pp 3-9.

\*ACSI I-0026  
ID 2174793

Concerning the Applicability of Kotel'nikov's Theorem on the Discrete Measuring Technique, by V. N. Khlistunov, (SF-1998). RUSSIAN, per, Izmeritel Tekh, No 3, 1961, pp 25-28.

\*JPRS

Permanent Seminar on Manufacture and Use of Measuring and Computing Equipment, by V. S. Popov, (SF-2000). RUSSIAN, per, Izmeritel Tekh, No 4, 1961, p 64.

\*JPRS

Precise Measurements for the Determination of the Strength of Coke Materials, by K. I. Siskov. RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, 1940.

\*BISI 2398

On the Stability of Compressors as Non-Linear Elements in Distributed Systems, by V. A. Bodner, V. V. Kazakevich. RUSSIAN, per, Iz Ak Nauk Otdel Tekh Nauk, Energet i Avtomat, No 4, 1959, pp 116-125.

TIL 4257

On Determining Additional Operational Reliability Indices for the Computer Systems in Automatic Devices, 7 pp. RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, Energet i Avtomat, No 1, 1961, pp 180-184.

Interntl Physical Index  
Automation Express  
Vol III, No 9

A Study of the Productive Forces of Eastern Siberia, by V. A. Krotov, 10 pp. RUSSIAN, per, Iz Vostochnykh Fil Ak Nauk SSSR, No 8, 1957, pp 67-74.

JPRS 4910

The Variational Principle of the Maximum Flow of Mechanical Energy and Its Applications, by V. N. Yershov. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Aviats Tekh, No 1, 1959, pp 46-54.

OT/4255  
Univ Cambridge  
Dept Engr

Scientific  
Engineering (Contd)

Rotating Stall in an Axial Compressor Stage,  
by V. N. Ershov, G. V. Pavlenko.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Aviats Tekh, No 3, 1959, pp 64-71.

TIL 4256

Effect of the Radial Clearance on the Operation  
of a Centripetal Gas Turbine, by A. P. Tunakov,  
16 pp.

RUSSIAN, per, Iz Vysshikh Ucheb, Zaved Aviats  
Tekh, No 4, 1960, pp 83-92. 9670991

FTD MCL-1041/1

The Heating of Large Ingots in Regenerative  
Soaking Pits, by N. Yu. Taitis, et al.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern  
Metal, No 8, 1960, pp 160-166.

BISI 2391

Cupola Melting Process Accelerated by the  
Injection of Oxygen Into the Hearth, by  
I. S. Matveyenko, I. A. Zotkin.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern  
Metal, No 2, 1961, pp 133-137.

HB 5147

Micro Examination of Martensitic Transformation  
in 18-9 Stainless During Refrigeration, by  
S. G. Chernyavskaya, I. D. Kedrin.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern  
Metal, Apr 1961, pp 89-92.

HB 5240

Dynamic Characteristics of Open-Hearth Furnaces  
According to Pressure in the Melting Chamber,  
by V. S. Kocho, et al.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern  
Metal, No 6, 1961, pp 168-174.

\*BISI 2400

Balancing Process in A. C. Polar Coordinate  
Compensators, by A. M. Melikshakhnazarov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Priborostroyeniye, Vol III, No 5, 1960, pp 39.

\*FTD-TT-61-42

Effect the Drift of Gyroscopes on the Motion  
of a Gyrostabilized Platrom at T-84.4 Minutes,  
by V. A. Karakashev.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Priborostroyeniye, Vol III, No 5, 1960,  
pp 44-51.

\*FTD-TT-61-42

Scientific  
Engineering (Contd)

Invariant for the Meridional Cones of a  
Spherical Surface of Refraction.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Pedagogicheskoye, Vol III, No 5, 1960,  
pp 106-109.

\*FTD-TT-61-42

All-Union Conference on Ultrasonics, by  
V. M. Patskevich, 4 pp.

RUSSIAN, per, Khim Prom, No 1, 1961,  
pp 72-73.

JPRS 4900

Investigation of Vibro-Insulation of the  
Foundations of Drop Hammers Under Production  
Conditions, by V. F. Shcheglov, V. V. Kurin.  
RUSSIAN, per, Kuznechno-Shtampovoye Proiz,  
Vol II, Sep 1960, pp 21-26.

BISI 2237

Vibro-Insulation of Drop Hammers at the  
Taganrog Combine Works, by G. I. Bezzubiy.  
RUSSIAN, per, Kuznechno-Shtampovoye  
Proiz, Vol II, Sep 1960, pp 26-33.

BISI 2238

Semi-Automatic Device for Indicating the  
Dimensions of Large Blocks During Forging  
on Hydraulic Presses, by O. D. Nychkov.  
RUSSIAN, per, Kuznechno-Shtampovoye  
Proiz, Vol II, No 10, 1960, pp 30-35.

BISI 2149

Development of a Production Technique for  
Hollow Axles, by M. Yu. Shifrin, et al.  
RUSSIAN, per, Kuznechno-Shtampovoye  
Proiz, Nov 1960, pp 11-15.

\*BISI 2413

The Effect of Densification of the Strength  
of the Moulding Mixture With S. B. Binder,  
by N. D. Egorkina.  
RUSSIAN, per, Lit Proiz, No 12, 1959, pp 31-32.

DSIR M.2360

Automatic Discard Control of the Spent  
Mixture From the Shaking Out Frames on to  
a Belt Conveyor, by P. D. Adayev, et al.  
RUSSIAN, per, Lit Proiz, No 12, 1959, p 37.

DSIR M.2363

Production of Iron Castings of High Quality,  
by I. P. Khedosek.  
RUSSIAN, per, Lit Proiz, No 12, 1959, p 38.

DSIR M.2363

Scientific  
Engineering (Contd)

Cast Iron for the Manufacture of Alkali-Resisting Boilers, by K. I. Vashchenko, A. N. Firstov, P. V. Avrinskiy. RUSSIAN, per, Lit Proiz, No 1, 1960, pp 7-10.

BCIRA 1005

Selected Articles From the Russian  
Periodical Metallurg.

No 11 (107), 1938, pp 29-34.  
Mechanism of Eutectic Crystallization of White Cast Iron, by K. Bunin, S. Rapoport.

BCIRA 1004

Vol VI, Mar 1961.  
Jalousie-Type Dust Catchers for Gas Cleaning, by V. D. Kanfer, M. S. Shklyar.

BISI 2337

Vol VI, No 3, 1961, pp 6-9.  
Movement of Gases and Materials in the Blast Furnace, by V. I. Loginov.

MT 193

Vol VI, No 4, 1961, pp 4-6.  
Effect of Handling Operations on the Change in the Particle Size Distribution of Sinter, by L. M. Rudakov, I. I. Gorshtein.

MT 194

Vol VI, No 5, 1961, pp 10-12.  
Automatic Control of the Rate of Inclination of the Ladle During the Pouring of Pig Iron, by V. I. Beloshabskiy, A. L. Shteiner.

MT 202

Coordinating Conference on Heat-Resistant Concrete, by K. D. Nekrasov, G. D. Salmanov, 4 pp. RUSSIAN, per, Ogneupory, No 1, 1961, pp 44-46.

JPRS 4891

New Developments in Aerodynamics, by L. I. Sedov, 5 pp. RUSSIAN, np, Pravda, No 36, 5 Feb 1961, pp 3. 9670762

FTD MCL-1043/1

The Creators of Cosmic Ships, by Vladimir Orlov, (SF-1989). RUSSIAN, np, Pravda, No 240 (15730), 27 Aug 1961, pp 1, 4.

\*JPRS

A Discontinuous-Function Block for Analog Computers, by I. S. Sheinin, 3 pp. RUSSIAN, per, Priborostroeniye, No 3, Mar 1961, pp 1-4.

Interntl Physical Index  
Automation Express  
Vol III, No 9

Scientific  
Engineering (Contd)

Concerning I. A. Syromiatnikov's Article  
"Automatic and Remote Control in Industrial  
Power Supply Systems," by E. A. Soskin,  
E. G. Fainshtein, (DC-6326).

RUSSIAN, per, Prom Energetika, No 2, 1961,  
pp 38-44.

\*JPRS

The "Elektrokabel'" Plant and Its Contribution  
to the Extension of Electric Facilities in the  
USSR, 9 pp.

RUSSIAN, per, Prom Energetika, Apr 1961,  
pp 54, 55.

JPRS 9866

Trokhotron, by M. Maksimov, (DC-6308).

RUSSIAN, per, Radio, No 11, 1953, pp 57-60.

\*JPRS

On Computing the Transmission Capacity of  
Two-Path Communication Channels, by  
Lin Hai-Tzuan, 3 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol VI,  
No 2, 1961, pp 197-199.

Interntl Physical Index  
Automation Express  
Vol III, No 3

Employing the Results of a Gravimetric Survey  
to Explain the Structure of the Foundation of  
the South Minusinsk Basin, by A. P. Tarkov.

RUSSIAN, per, Razvedochnaya i Promyslovaya  
Geof, No 31, 1959, pp 3-8.

\*ACIC

Our Experience in Introducing Complex  
Mechanization, by K. Orishich, 9 pp.

RUSSIAN, per, Ryb Khoz, Vol XXIV, No 7, 1958,  
pp 43-49.

OTS 60-21146  
(PL-480)

Machine for Gutting Small Fish, by  
V. P. Chivilenko, I. I. Vedernikov, 4 pp.  
RUSSIAN, per, Ryb Khoz, Vol XXIV, No 10,  
1958.

OTS 60-21096  
(PL-480)

The Precise Determination of the Mean Rate  
of Deformation During Rolling, by  
A. I. Tselikov.

RUSSIAN, per, Stal', Dec 1954.

BISI 1939

Work of the Scientific-Technical Society  
of the Shipbuilding Industry; Conference of  
Shipbuilding Welders, 6 pp.

RUSSIAN, per, Sudostroyeniye, No 4, 1961,  
pp 30-31.

JPRS 4929



Scientific  
Engineering (Contd)

Eleventh Scientific-Technical Conference on  
Ship Theory, by M. M. Bun'kov, I. T. Yegorov,  
C. pp.

RUSSIAN, per, Sudostroyeniye, No 4, 1961,  
pp 81-85.

JPRS 4929

Determining Suitable Conditions for Flame  
Case-Hardening.

RUSSIAN, per, Svaroch Proiz, No 6, 1958,  
pp 41-49.

DSIR LLU RTS 1482

Instrument for Measuring Transient Deformations  
in Welded Joints, by K. K. Khrenov,  
I. M. Zhdanov.

RUSSIAN, per, Svaroch Proiz, No 3, 1959, pp 16-18.

DSIR M. 2674

An Investigation Into Hydraulic Resistance to  
the Passage of Underheated Water Through the  
Pipe of Small Diameter at Large Thermal Flow,  
by A. P. Ornatsy, A. M. Kichigin.

RUSSIAN, per, Teploenergitika, No 8, 1961.

\*AEC

The Development of the Technology of the Con-  
tinuous Coking Coal and Investigation of the  
Raw Material Basis for Its Application, by  
P. Z. Shubeko.

RUSSIAN, per, Trudy Inst Goryuchikh Iskopaemykh,  
Vol X, 1959, pp 7-44.

NCB A.1957

Research on the Dependence of the Structure  
and Properties of Gas Turbine Blades on the  
Duration of Exploitation, by S. T. Kishkin,  
A. A. Klypin.

RUSSIAN, per, Trudy Issledovaniya Zharoprochnykh  
Splovov Aviats Inst Oborongiz Moskva, No 123,  
1960, pp 25-34.

\*FTD-TT-61-31

The (Argonarc) Welding of Aluminium and Its  
Alloys to Steel, by G. A. Bel'chik,  
D. Ya. Gluskin, N. A. Fedorov.

RUSSIAN, per, Trudy Leningrad Korablestroitel  
Inst, No 29.

MT 201

Problems in Operations of Heat Engines.

RUSSIAN, per, Trudy Voprosy Rabochnykh  
Professov Teplovykh Mashin Sbornik Statey Pod  
Redaktsiei Professora a v Vasilikova Ministerstvo  
Vyshego Obrazovaniya SSSR Moskovskiy Ordona  
Lenina Aviatsionnykh Institut Imeni Sergo  
Ordzhonikidze Gosudarstvennoye, No 95, 1958,  
pp 77-119.

\*FTD-TT-61-12

Best Available Copy

Scientific  
Engineering (Contd)

Control Device for Electric Current in Steel Melting Arc Furnaces, by A. D. Svenchanskiy. RUSSIAN, per, Vest Elektroprom, Aug 1960, pp 23-27.

\*BISI 2365

Problems of Designing Hydrogenerators With Large Power Ratings, by N. P. Ivanov, 5 pp. RUSSIAN, per, Vest Elektroprom, No 6, 1961, pp 5-10.

Interntl Phys Index  
Power Express  
Vol I, No 1

Field Investigations of Solar Batteries, by A. G. Yosif'yan, A. S. Fialkov, et al. RUSSIAN, per, Vest Elektroprom, No 7, 1960, pp 38-43.

\*FTD-TT-61-56

One of the Causes of Spontaneous Failure of Bolts, by O. L. Bendryshev. RUSSIAN, per, Vest Mash, No 5, 1950.

\*BISI 2430

Method of Assessing Tendency of Materials to Delayed Failure, by T. K. Zilova, et al. RUSSIAN, per, Zavod Lab, No 8, 1956, pp 967-972.

\*BISI 2431

Concerning Modernization of the TE 3 Diesel Locomotives, by G. A. Moiseyev. RUSSIAN, per, Zheleznodorozhnyy Transport, No 7, 1961.

\*ACSI H-9883  
ID 2174778

The Mechanism of Sulphation in Lead Accumulators and Methods for Eliminating It, by T. I. Popova, B. N. Kabanov. RUSSIAN, per, Zhur Prik Khim, Vol XXII, No 2, 1959, pp 326-336.

RAE 931

The Rapid Preheating of Bituminous Coals With High Volatile Matter Content, by Nieh Heng-jui, 11 pp. CHINESE, per, Jan-liao Hsueh-pao, Vol IV, No 2, 1959, pp 157-163.

JPRS 4818

Low Temperature Carbonization of Pulverized Bituminous Coals in Fluidized Bed, by Chu Ya-chieh, Ts'ao Chung-yuan, Wang Chien-ch'iu, 15 pp. CHINESE, per, Jan-liao Hsueh-pao, Vol IV, No 2, 1959, pp 173-180.

JPRS 4821

Scientific  
Engineering (Contd)

Selected Articles From the Chinese  
Periodical Shui-wen Ti-chih Kung-ch'eng  
Ti-chih.

No 6, 1959.

To Search Underground Water Resources for  
Alleviating the Aspects of the Arid Regions,  
by Chang Keng-sheng, 4 pp, (pp 3-4).

JPRS 4809

A Discussion on the Hydrogeological Divisions  
of the Central Part of the Inner Mongolian  
Plateau, by Yen Hsi-hsu, P'an Wen-yung, 9 pp,  
(pp 4-7).

JPRS 4809

The Relationship Between Underground Water  
and Geomorphology in Central Part of Inner  
Mongolia Plateau, by Li Chang-sung,  
Hsu Ch'i-jung, 11 pp, (pp 8-11).

JPRS 4809

Hydrogeological Conditions For the Tun-Huang  
Marshlands, by Jen Fu-hung, Ku Hua-chou,  
13 pp, (pp 12-17).

JPRS 4809

Preliminary Knowledge in Stimulating and  
Organizing a High-Tide of Production, by  
Ch'u Shao-i, Chang Wen-yen, 6 pp, (pp 34-35).

JPRS 4837

On Overcoming Deficiencies of Technical  
Forces and Material Implements, by  
Chiang Ming-ta, 4 pp, (pp 35-36).

JPRS 4837

Opening Speech of the Second National  
Hydrogeological and Engineering Geology  
Work Conference of the Ministry of Geology,  
by Ho Ch'ang-kung, 5 pp, (pp 49-50).

JPRS 4837

Achieve the Great Leap Forward in  
Hydrogeology and Engineering Geology, by  
Chou Kang, 18 pp, (pp 51-56).

JPRS 4837

On the Hydrogeological Work Situation of  
the Ministry of Geology in CPR and Direction  
of Future Developments, by T. F. Adzhabiyev,  
3 pp, (pp 57-60).

JPRS 4837

Scientific  
Engineering (Contd)

Selected Articles From the Chinese Periodical  
Shui-wen Ti-chih Kung-ch'eng Ti-chih. (Contd)

No 11, 1959.

JPRS 4876

Some Observations on Hydrogeological  
Prospecting Work of Permafrost Areas, by  
Cheng Ch'i-p'u, 9 pp, (pp 13-15).

On the Application of Mud Drilling in  
Supply-Water Hydrogeological Exploration,  
12 pp, (pp 16-20).

Some Experiences in Using Mud to Carry Out  
Hydrogeological Boring to Raise the  
Quality of the Bore Hole, by Li Pao-hsing,  
5 pp, (pp 21-22).

Bushings and the Protective Wall of Mud in a  
Bore Hole, by Ch'en Ying-lung, 5 pp, (pp 23-24).

Experiences Regarding Water Table, Water  
Temperature and Water Quality Tests in Water  
Layer During Mud Drilling, 5 pp, (pp 25-26).

Problems of the Remaining Water in the Bore  
Hole in Pressure-Water Experiments, by  
Li Ch'eng-ts'ai, 3 pp, (pp 27-28).

Vacuum Casting of Steel, by Z. Motloch.  
CZECH, per, Hutnicke Listy, Vol XIII,  
No 11, 1958, pp 1037-1050.

MT 171

Microstructure and Mechanical Properties of  
Welded Joints in Austenitic and Ferritic-  
Pearlitic Creep-Resistant Steels for Boilers  
Operating at High Parameters, by K. Pawera,  
V. Pilous, F. Poboril.  
CZECH, per, Hutnicke Listy, Vol XVI, No 3,  
1961, pp 186-197.

MT 188

The Use of Heating Oils for Auxiliary  
Heating in Hot Blast Stoves, by O. Pavlik,  
J. Hohn.  
CZECH, per, Hutnicke Listy, Vol XVI, No 5,  
1961, pp 312-314.

MT 189

Scientific  
Engineering (Contd)

Possible Methods of Improving the Quality of  
Railway Rails, by S. Horejs.  
CZECH, per, Hutnicke Listy, Vol XVI, No 8,  
1961, pp 533-539.

MT 207

Characteristic Defects on Semi-Finished  
Products (Round Billets) Used for Rolling  
Into Seamless Steel Tubes and Reasons for  
Their Presence, by O. Prejoch, M. Zidek.  
CZECH, per, Hutnik, Vol XI, No 2, 1961,  
pp 59-74.

\*BISI 2343

Design of Burners for Firing Open-Hearth Furnaces  
With Oil, by V. Bulina.  
CZECH, per, Hutnik, Vol XI, No 4, 1961,  
pp 166-168.

MT 190

The Strength of Nuclear Reactor Vessels,  
by J. Nemec.  
CZECH, per, Jaderna Energie, No 6, 1960,  
pp 254-266.

\*AEC

The Status of Television Engineering in the  
German Democratic Republic, 4 pp.  
CZECH, per, Sdelovaci Technika, Vol VII,  
No 8, 1959, p 297.

USASIA: H-6610-A

Selected Articles From the Czech Periodical  
Slaboproudý Obzor.

Vol XIX, No 12, 1958, pp 855-857.  
Equipment for the Metallization of the  
Screen of Picture Tubes, 7 pp.

USASIA: H-1222-D

Vol XX, No 1, pp 8-12.  
~~Vacuum~~ Heat Exchangers, 14 pp.

USASIA: H-6629-A

Vol XX, No 8, 1959.  
Standardization of Climatic and Mechanical  
Durability Tests, 15 pp, (pp 482-486).

USASIA: H-6633-C

Organic Insulating Materials in the Weak  
Current Electrical Engineering for the  
Tropics, 14 pp, (pp 486-489).

USASIA: H-6633-D

Effect of the Climatic Factors Upon  
Electrotechnical Equipment in the Tropics  
and Electrotechnical Climatology, 23 pp,  
(pp 499-505).

USASIA: H-6633-G

Scientific  
Engineering (Contd).

Selected Articles From the Czech Periodical  
Slaboprůdy Obzor. (Contd)

- Vol XX, No 8, 1959.  
Methods of Climatic Tests in Electrical  
Engineering, 11 pp, (pp 506-509). USASIA: H-6633-H
- Vol XX, No 10, 1959, pp 643-651.  
Weak Current Techniques at the BRNO  
Trade Fair, 24 pp. USASIA: H-6635-C
- Vol XX, No 11.  
The High-Vacuum Resistance Furnace Tesla,  
13 pp, (pp 703-706). USASIA: H-6636-B
- Foreign Weak-Current Engineering on the  
BRNO World Fair 1959, 50 pp, (pp 707-719). USASIA: H-6636/C
- A New Machine for Long-Term Creep Tests at  
Elevated Temperatures, by T. Prnka,  
R. Klecka,  
CZECH, per, Strojirenstvi, Vol X, No 10, 1960,  
pp 778-781. MT 169
- Testing Material at High Loading Speeds, by  
J. Kermes.  
CZECH, per, Strojirenstvi, Vol XI, No 6,  
1961, pp 449-453. MT 204
- The Introduction of Automation in Underground  
Mines in Czechoslovakia, by Bohumil Skalka,  
5 pp.  
CZECH, per, Uhlí, Vol III, No 4, 1961, pp 117-119. JPRS 4930
- A Brief Survey of the Use of Water-Glass in the  
Manufacture of Welding Electrodes, by J. Vidrma.  
CZECH, per, Zvaranie, Vol IX, Aug 1960,  
pp 242-245. BISI 2227
- Nutrient Supply for Plant Cultures, by  
Jiri Arnost Prinksheim, 3 pp.  
CZECH, Patent No 65,378. Dept of Commerce  
Patent Office  
Sci Lib
- The Use of Analogue or Digital Computers in  
Solving Heavy-Current Problems, Part II -  
Transients in a Three Phase Induction Motor,  
by J. F. Blom.  
DUTCH, per, De Ingenieur, No 25, 17 Jun 1960,  
pp E.42-E.50. BISI 2297

Scientific  
Engineering (Contd)

Simulation of a Synchronous Machine With an  
Analogue Computer, by P. Coroller.  
DUTCH, per, De Ingenieur, 16 Sep 1960,  
pp E.103-E.109.

\*BISI 2406

Influence of Oven Width on Coke Quality,  
by P. Foch.  
FRENCH, paper, Presented at Reunion of  
Coking Engineers, 7 Jan 1958.

Dept of Interior  
TN7 E57 No 368

Manual for Underwater Acoustics.  
FRENCH, rpt, Aide-Memoire d'Acoustique Sous-  
Marie, BRUSC Underwater Detection Laboratory,  
No 5, (481), 9 Jun 1958.

Navy Tr 2852/ONI 877

Selected Articles From the French Report  
Committee No. IX: "Behavior of Metals From the  
Viewpoint of Welding," International Institute  
of Welding, Paris (18<sup>e</sup>) France.

Reply to the Investigation of Service Brittle  
Fractures Conducted by the International  
Institute of Welding. Brittle Fracture of  
the Deck Combing of an Oil Carrier, 4 pp.

Navy/NRL 854

International Institute of Welding. Summary  
Report of the Meeting Held on 20-21 January  
1961, 3 pp.

Navy/NRL 855

Brittle Fracture of a Hatch Plate of a  
Cargo Ship, 3 pp.

Navy/NRL 856

Brittle Fracture of the Main Deck of a  
Cargo Ship in the Neighborhood of a  
Hatch, 4 pp.

Navy/NRL 857

Hydraulic Transport of Coal, by  
P. Aubathier.  
FRENCH, rpt, Conferencia Mundial de la  
Energia. Paper III A/1. Madrid 59, Jun 1960.

BISI 2228

The Development of Hydrology in the  
Rumanian People's Republic, by C. Diaconu,  
V. Dumitrescu, 11 pp.  
FRENCH, per, Bulletin de l'Association  
Internationale d'Hydrologie Scientifique,  
1961, pp 63-68. (Call No GB651, B93,  
V6, No 2, E Tr)

AMS

Scientific  
Engineering (Contd)

Acid and Hyperacid Blast Furnace Working,  
by E. Bonnaure, F. Douez.

FRENCH, per, Centre de Documentation  
Siderurgique Circulaire d'Information  
Techniques, Vol XV, No 7, 1958, pp 1447-1463.

\*BISI 2404

The Equal Distribution of Blast at the Tuyeres  
of a Blast Furnace, by Tavad.

FRENCH, per, Centre de Documentation Siderurgique  
Circulaire d'Informations Techniques, Vol XVII,  
Feb 1960, pp 429-436.

BISI 2328

A 1000-Channel Time-of-Flight Selector, by  
J. Apter, J. Roussel, J. M. Tissier,  
R. Wahl, 23 pp.

FRENCH, per, Nuclear Instruments and Methods,  
Vol V, 1959, pp 300-311. 9080647

AERE, Harwell  
NP Tr-691

Glass-Resin Interactions in Laminates Revealed  
by Alternating Bending Fatigue Tests, by  
A. Kb. Iablokoff.

FRENCH, per, O.N.E.R.A. Note Tech, No 53, 1959,  
pp 19.

RAE 923

Contributions to the Aerodynamic Study of the  
Blast Furnace, by A. Boissin.

FRENCH, per, Revue de l'Industrie Minerale,  
Vol XLI, Feb 1959, pp 157-170.

\*BISI 2405

On the Specific Surface of Non-Cohesive  
Materials, by A. Ilantzis, 23 pp.

FRENCH, per, Revue des Matériaux de Construc-  
tion et de Travaux Publics, No 534, Mar 1960,  
pp 59-66.

CSIR 166

Study of the Heterogeneity of Large Forging  
Ingots, by C. Roques, et al.

FRENCH, per, Revue de Metallurgie, Vol LVII,  
Dec 1960, pp 1091-1105.

\*BISI 2373

Twisted Yarns Made of Identical Threads  
Assuming Different Shades When Dyed,  
5 pp.

FRENCH, Patent No 807, 089.

Dept of Commerce  
Patent Office  
Sci Lib

Improvements in Wooden or Other Soles  
Obtained by Providing Inclined Plots to Form  
Supporting Strips, by Marie-Madeleine Lacoste,  
4 pp.

FRENCH, Patent No 902,385.

Dept of Commerce  
Patent Office  
Sci Lib



Scientific  
Engineering (Contd)

Process and Apparatus for Detecting the  
Overheating of Railway-Vehicle Axle Boxes  
Along the Line, by Pierre-Charles Patin,  
Rene-Louis Simonin, 15 pp.  
FRENCH, Patent No 1,133,052.

Dept of Commerce  
Patent Office  
Sci Lib

Procedure for Impregnation of Graphite or  
Carbon Pieces With Condensation Products of  
Tar and Furan Derivatives With Applications,  
3 pp.  
FRENCH, Patent No 1169208, 24 Dec 1958.

AERE, Harwell  
NP Tr-605

Improved Shock Absorbing Bearings,  
6 pp.  
FRENCH, Patent No 1, 185,741.

Dept of Commerce  
Patent Office  
Sci Lib

Process and Apparatus for Debarking Timber  
of Leaf Bearing Trees, by Avot Rene, 7 pp.  
FRENCH, Patent No 1,226,679.

Dept of Commerce  
Patent Office  
Sci Lib

Device for Detecting Abnormal Heating of  
Axle Boxes of Rolling Stock, by  
Michel Buchner, Fernand Loy, 10 pp.  
FRENCH, Patent No 1,232,431.

Dept of Commerce  
Patent Office  
Sci Lib

Adjustment of the German Basic Gravity  
Network, by Kurt Marzahn.  
GERMAN, bk, Ausgleichung des Deutschen  
Schweregrundnetzes, Series B, No 54, 1959,  
63 pp.

\*ACIC

Contribution to the Gravity Correction of  
Direct Leveling, by Hellmut Bodemuller.  
GERMAN, bk, Beitrag zur Schwerekorrektur  
Geometrischer Nivellements, Series A, No 26,  
1957, 204 pp.

\*ACIC

Determination of the Gravity Differences  
Between European Airports With an Askania  
Gravimeter GS-12, by Walter Grossmann.  
GERMAN, bk, Bestimmung der Schwereunterschiede  
Zwischen Europäischen Flughäfen Mit Einem  
Askania - Gravimeter GS-12, Series B, No 66, 1960.

\*ACIC

German Geodetic Commission of the Bavarian Academy  
of Sciences.  
GERMAN, bk, Deutsche Geodatische Kommission  
Bei der Bayerischen Ak der Wissenschaften  
Reihe bei Angewandte Geodesie-Heyt, No 28, 1956.

\*ACIC

Scientific  
Engineering (Contd)

The International European Gravimeter-Calibration Bases, by Max Kneissl.  
GERMAN, bk, Die Internationalen Europäischen Eichbasen, Series No 79 B, 1956, 100 pp.

\*ACIC

The Potsdam Gravity System. Its Complete Definition and Correct Extension, by E. Riechmann.  
GERMAN, bk, Das Potsdamer Schwere-System, Seine Vollständige Definition Und Seine Richtige Übertragung, Series B, No 50, 1950, 60 pp.

\*ACIC

Determining the Demand of Roller-Sheet-Straightening Machines, by S. Geleji, G. Devenyi.  
GERMAN, per, Acta Technica, No 3/4, 1957, pp 361-380.

\*BISI 2393

Scale Formation on Hot Rolled Thin Sheets, by A. Luth.  
GERMAN, per, Archiv fuer Eisenhüttenwesen, Vol XXX, Feb 1959, pp 71-78.

\*BISI 2419

Wear of Chrome-Magnesite Bricks in Open-Hearth Furnace Roofs, by S. Kienow.  
GERMAN, per, Archiv fuer Eisenhüttenwesen, Vol XXXII, Feb 1961, pp 77-87.

BISI 2309

Pressure Sintering of Hafnium, Zirconium and Tantalum Carbides Without a Binder, by B. Lersmachern, S. Scholz.  
GERMAN, per, Archiv fuer Eisenhüttenwesen, Vol XXXII, No 6, 1961, pp 421-429.

\*AERE, Harwell  
Tr No 1510

Electron Microscopic Examination of Aluminium Nitride in Structural Steels Melted on a Production Scale, by W. Dahl, et al.  
GERMAN, per, Archiv fuer Eisenhüttenwesen, Vol XXXII, Jul 1961, pp 475-482.

\*BISI 2427

Empirical Method for the Determination of the Quantity of Sediment Transport, by Walenty Jarocki, 11 pp.  
GERMAN, per, Archiwum Hydrotechniki, Vol V, No 2, 1958, pp 251-266.

OTS 60-21521  
(PL 480)

Scientific  
Engineering (Contd)

Methods for Freeing Gas From Dust, by  
E. Weber, W. Bruchhauser.  
GERMAN, per, Aufbereitungs-Technik Wiesbaden,  
Vol I, Oct 1960, pp 429-435; Vol II, Dec 1960,  
pp 518-527; Vol III, Jun 1961, pp 241-249.

\*BISI 2412

The Historical Development of Tube Welding  
Methods, Especially the Electrical Resistance  
Method, by J. K. Bohnen.  
GERMAN, per, Bänder, Bleche, Rohre, Jan 1961,  
pp 8-15, Feb 1961, pp 56-62.

\*BISI 2409

Use of Water Stemming in Blasting to Reduce  
Dust and Increase Safety, by F. Reuters.  
GERMAN, per, Bergbau-Rundschau, No 9, Vol XII,  
Sep 15, 1960, pp 493-494.

Dept of Interior  
TN7 E57 No 415

Gravity Reduction of the Main Net of Levels in  
Boden-Wuerttemberg, by K. Ramsayer.  
GERMAN, per, Deutsche Geodatische Kommission  
Bei der Bayerischen Ak der Wissenschaften,  
Series A, No 22, 1957.

\*ACIC

Results of Container and Field Tests With  
"Hyper-Phosphate Reno," by H. Doring, 17 pp.  
GERMAN, per, Deutsche Landwirtschaft, No 7,  
1957.

CSIR 163

Description of the Portable Automatically  
Mixing Type SM-1 Mixed Gas Diving Gear -  
T 5200.  
GERMAN, per, Dragerwerk Lubeck.

Navy Tr 2870/ONI 889

Treatment of Effluents in the Manufacture and  
Processing of Wire and Strip, by F. Lub.  
GERMAN, per, Draht, Vol XII, Jun 1961,  
pp 263-269.

\*BISI 2421

Excitation and Control of Large Synchronous  
Machines With Current Rectifiers, by  
K. P. Haamann.  
GERMAN, per, Elektrotechnische Z, Ausgabe A,  
25 Apr 1960, pp 317-323.

\*BISI 2403

Control and Regulation of Modern Slabbing-  
Mills, by K. Giesdorf.  
GERMAN, per, Elektrotechnisch Z (ETZ),  
Vol LXXXI, No 20/21, 1960, pp 722-724.

\*BISI 2361

Scientific  
Engineering (Contd)

The Pressure Drop in the Inlet Zone of  
Pneumatic Transport Systems, by R. Jung.  
GERMAN, per, Forschung auf dem Gebiete des  
Ingenieurwesens, Vol XXIV, No 2, 1958,  
pp 50-58.

BISI 2246

Requirements of Metallurgical Coke in Blast  
Furnace Working, by J. Holzhey.  
GERMAN, per, Freiberger Forschungshefte,  
A. 140, May 1960, pp 25-46.

NCB A 1996

New Automatic Moulding Equipment, by  
H. Bergmann.  
GERMAN, per, Giesserei, Vol XLVII,  
8 Sep 1960, pp 487-492.

BCIRA 1002

Production of Cast Iron Hollow-Ware, by  
F. Paschke.  
GERMAN, per, Giesserei-Praxis, 25 Mar 1955,  
pp 105-107.

BCIRA 1011

Special Cupola Melting Operations. Part 2,  
The Duplex Process, Cupola-Electric Furnace,  
by W. Friedel.  
GERMAN, per, Giessereitechnik, Vol VI,  
Aug 1960, pp 241-243.

BCIRA 1003

An Electronically-Controlled Device for  
Continuous Measurement of Bunker Contents,  
by F. Merx, A. Kihm.  
GERMAN, per, Gluckauf, Vol XCVII, No 2,  
1 Mar 1961, pp 256-260.

NCB A.2004

Design Data for High Strength Bolts, by  
R. Kellermann, H. Ch. Klein.  
GERMAN, per, Konstruktion, No 2, 1955.

\*BISI 2420

Thrust Bearings, by O. Gersdorfer, 21 pp.  
GERMAN, per, Konstruktion, Vol VIII,  
1956, pp 87-94.

AEC IG-Inf-Ser-60

The Aims and Industrial Possibilities of  
Shaping Sheet Material, by O. Kienzle.  
GERMAN, per, Mitteilungen der Forschungs-  
gesellschaft Blechverarbeitung, No 13, 1955,  
pp 153-160.

\*BISI 2377

Scientific  
Engineering (Contd)

Heat Treatment of Roller Bearing Steel Using  
a New Method With a Protective Atmosphere,  
by K. H. Skarupke, et al.  
GERMAN, per, Neue Hutte, Jul 1961,  
pp 399-410.

\*BISI 2410

Gas Removal From Arc Furnaces Without Covers,  
by M. Sem.  
GERMAN, per, Radex Rundschau, No 3, Jun 1961,  
pp 607-615.

BISI 2368

Cathodic Protection of Vessels by Means of  
Grillo Refined Zinc Anodes, by Dr Eberius,  
7 pp.  
GERMAN, per, Schip en Werf, Vol XXVIII, No 14,  
7 July 1961.

Dept of Commerce  
Maritime Admin  
Div of Office Services

Symbols, Classification and Quality Standardiza-  
tion for Submerged Arc Welding Powders,  
by G. Becker.  
GERMAN, per, Schweisstechnik, Vol X, No 5, 1960,  
pp 175-178.

BISI 2258

Selected Articles From the German Periodical  
Stahl und Eisen.

68th Year, No 19/20, 9 Sep 1948,  
pp 346-353.  
The Principles of the Crude-Iron Scale  
Process for the Production of Iron  
Powder, by Gerhard Naeser, Hermann Steffe,  
Werner Scholz, 25 pp.

Dept of Commerce  
Patent Office  
Sci Lib

Vol LXXI, 24 May 1951, pp 568-575.  
Determination of the Design and Size  
of Hot Blast Stoves, by  
W. Heiligenstaedt.

BISI 2160

Vol LXXII, 25 Sep 1952, pp 1217-1221.  
Comparison of the Mechanical Properties of  
Drawn Steel Wires After Patenting Carried  
Out in Lead Baths, Salt Baths, and in Air,  
by C. Eisenhuth, H. Krautmacher.

BISI 2313

Vol LXXIII, 15 Jan 1953, pp 84-91.  
Investigation of Welding Materials and  
Steels for Tendency to Weld Seam  
Cracking, by P. Werthebach.

BISI 2312

Scientific  
Engineering (Contd)

Selected Articles From the German Periodical  
Stahl und Eisen. (Contd)

- Vol LXXIII, 22 Oct 1953, pp 1404-1409.      \*BISI 2395  
Contribution to the Problem of an Adequate  
Drive for Cold Rolling Reels, by  
W. E. Baltz.
- Vol LXXVI, 23 Aug 1956, pp 1099-1106.      \*BISI E 2414  
The Strain Hardening Behaviour of Circular  
Wire After Various Kinds of Deformation.  
Part I - Variation of Strength by Drawing,  
Rolling and Pressing Round Wire, by W. Dahl,  
W. Lueg.
- Vol LXXIX, 15 Oct 1959, pp 1483-1491.      \*BISI 2407  
Operating Experience With Open-Hearth  
Furnaces Using Oil and Cold Gas With Oil  
Additions, by R. Gorgen.
- Vol LXXX, No 22, 27 Oct 1960, pp 1492-1496.      BISI 1975  
The Use of Oxygen in a 100-ton Maerz-Boelens  
Furnace at Horde, by H. J. Krabiell.
- Vol LXXX, 8 Dec 1960, pp 1878-1890.      BISI 2035  
The Development of Technology and Its  
Influence on the Cost Pattern of Iron  
and Steel Production, by P. Rheinlander.
- Vol LXXXI, 6 Jul 1961.      BISI 2363  
Influence of Friction on the Contact  
Between Solids in Cold Shaping, by  
H. Wiegand, et al.
- Vol LXXXI, No 5, 1961, pp 311-320.      HB 5109  
Reactors in Rotary Steelmaking Vessels With  
Oxygen Top Blowing, Part II, by P. E. Hardt,  
G. Vocke, H. Schenck.
- Vol LXXXI, No 11, 1961, pp 701-707.      HB 5221  
Contribution to the Use of Oxygen in Open-  
Hearth Furnaces, by H. Kosmider, et al.
- Vol LXXXI, 25 May 1961.      \*BISI 2417  
Study of Pressure in Furnace Chamber of  
Continuous Pusher-Type Furnaces and Com-  
parison With Tests on Models, by  
W. Keller, (pp 720-724).

Scientific  
Engineering (Contd)

Selected Articles From the German Periodical  
Stahl und Eisen. (Contd)

Vol LXXXI, 25 May 1961.

The Cost of Changing Rolls of Stands,  
Changing Roll Passes or Guides, and  
Trial Rolling, by H. Weisenfeld, et al,  
(pp 725-728).

BISI 2331

Vol LXXXI, No 12, 1961, pp 778-782.

Preliminary Smelting Trials of Iron-Ore  
Pellets in the Blast Furnace, by P. Maertens,  
A. Poos.

HB 5193

Vol LXXXI, 6 Jul 1961, pp 909-920.

Investigations on the Operation of a  
Three-Strand Tandem Cold Rolling Mill,  
by P. Funke, W. Lueg.

\*BISI 2364

Vol LXXXI, No 15, 1961, pp 1001-1005.

Abatement of Dust Nuisance From Arc  
Furnaces, by A. Hohenberger.

HB 5218

Vol LXXXI, 20 Jul 1961, pp 1006-1014.

Experiences Made With the Hydraulic  
Conveyance of Slag Sand and Other  
Solids in Iron and Steel Works, by  
W. Altpeter.

\*BISI 2401

Progress in the Field of Electrical Sheets,  
by H. Hesselbach.

GERMAN, per, Technica, 20 Nov 1959, pp 1333-  
1338.

BISI 2221

Welding Grey and Nodular Cast Irons, by  
M. Puschner, G. Suchanek.

GERMAN, per, Technica, Vol IX, 7 Oct 1960,  
pp 1295-1298.

BISI 2116

Scientific  
Engineering (Contd)

Selected Articles From the German  
Periodical Die Technik.

No 12, 1956.

The Semiproportional-Action Control - A  
New, Promising Type of Control, by  
V. Ferner.

\*535 MI Gp  
H-9945  
ID-2174786

Vol XVI, No 3, 1961.

New Measuring Instruments for Nuclear  
Physics, 3 pp, (pp 222-224).

JPRS 4948

High Vacuum Engineering, by W. Grellmann,  
5 pp, (pp 231-234).

New Instruments From VEB Carl Zeiss, JENA,  
by H. Schrader, 5 pp, (pp 235-239).

Electric Work Equipment, 5 pp, (pp 275-278).

Flow and Power Requirements of Different  
Extrusion Processes, by W. Fister.  
GERMAN, per, Technische Mitteilungen Krupp,  
Vol LIV, Feb 1961, pp 77-78.

\*BISI 2383

Survey of the Present State of the Continuous  
Casting of Steel and Its Scope, by K. G. Speith,  
A. Bungeroth.  
GERMAN, per, Technische Mitteilungen Krupp,  
Vol LIV, Feb 1961, pp 80-82.

\*BISI 2384

Thoughts on Automation, by H. Postulka, 9 pp.  
GERMAN, per, Vermessungstechnik, Apr 1961,  
pp 114-116. (Call No TA501, V53, Vol 9,  
No 4, E Tr)

AMS

Spark Erosion Methods for Manufacture and  
Preparation of Forging Dies, by  
B. Bartkiewicz.  
GERMAN, per, Werkstattstechnik, Vol L, Jun 1960,  
pp 324-326.

\*BISI 2434

Erasing Device, by Karl Furreg, 5 pp.  
GERMAN, patent, 25 Oct 1916, 4 pp.

FTD MCL-1015/1

Arrangement for Indicating Subaqueous Points  
on Submarine Cables and Underwater Amplifiers  
by Acoustical Methods of Position Finding,  
by Karl Scherer, 9 pp.  
GERMAN, Patent Auslegeschrift (DAS) No 1,042,439.

Dept of Commerce  
Patent Office  
Sci Lib



Scientific  
Engineering (Contd)

Apparatus for Wetting Loose Materials With Binders, by Max Himmelheber, Klau Steiner, 8 pp.  
GERMAN, Patent Printed Application No H 10650 - V/12e

Dept of Commerce  
Patent Office  
Sci Lib

Apparatus for the Preparation and the Administration of Foam and Bubble Baths, by Ewald Erler, 8 pp.  
GERMAN, Patent No 827,391.

Dept of Commerce  
Patent Office  
Sci Lib

Synthetic Sponges, by Hochtlen, Walter Droste, 3 pp.  
GERMAN, Patent No 860,109.

Dept of Commerce  
Patent Office  
Sci Lib

New Machine Tools, by Laszlo Hodi, 7 pp.  
HUNGARIAN, per, Gep, Vol XIII, No 5, 1961, pp 167-175.

JPRS 4952

Electrical Resistance Heating for the Treatment of Steel, by W. Stich.  
ITALIAN, rpt, IV International Congress on Electro-Heat, 25-29 May 1959.

BISI 1925

A Method for Preventing Resonance Discharge in a Cavity Resonator by Means of a Magnetostatic Field, by A. Massarotti, A. Turrin.  
ITALIAN, per, Laboratori Nazionali di Frascati del CNEN, Nota Interna No 59, 25 Nov 1960.

\*AERE, Harwell  
Tr No 1497

Experiments on the Melting in Electric Furnaces and in Open-Hearth Furnaces of Ferrous Material Obtained by Direct Reduction, by O. Masi, P. Canizzo.  
ITALIAN, per, La Metallurgia Italiana, Vol LIII, Jan 1961, pp 1-16.

BISI 2360

Report of the Activities of the National Cartography Administration, 27 pp.  
PERSIAN, rpt, National Cartography Administration Plan Organization 1954-1955 -- 1960-1961, 1960-1961, pp 1-40.

JPRS 8848

Scientific  
Engineering (Contd)

Selected Articles From the Polish Periodical  
Archiwum Automatyki i Telemekhaniki, Vol VI,  
No 2/3, 1961, (NY-6668).

\*JPRS

Congress of the International Federation  
of Automatic Control, (pp 143-154).

Theory of Linear Control Systems, by  
G. Gorecki, (pp 153-184).

Multidimensional Control Systems, by  
S. Paszkowski, (pp 185-194).

Invariance Principle in Control Theory,  
by K. Manczak, (pp 195-202).

Problems on Nonlinear Control System  
Theory, by A. Macura, (pp 203-216).

Theory of Sampled-Data-Control Systems,  
by A. Straszak, (pp 217-234).

On Optimized Control Systems, by  
B. Kulikowski, (pp 235-296).

Theory of Adaptive Control Systems, by  
A. Straszak, (pp 297-316).

Problems of Peak-Holding Control Systems,  
by K. Manczak, (pp 317-326).

Theory of Switching Systems Structure, by  
Z. Frydrych, (pp 327-332).

Simulation and Analog Computers, by  
W. Findeisen, (pp 337-352).

Theory of Hydraulic and Pneumatic  
Control Devices, by H. Leskiewicz,  
(pp 353-363).

The Importance of Edging Passes in the Rolling  
of Blooms, by W. Leskiewicz.  
POLISH, per, Hutnik, Vol XXV, No 10, 1958,  
pp 386-390.

BISI 2272

Methods of Removing Surface Defects From  
Raw Materials Before Rolling, by  
M. Tylusinski.  
POLISH, per, Hutnik, Vol XXVIII, No 5, 1960,  
pp 182-188.

BISI 2273

Scientific  
Engineering (Contd)

An Analysis of the Possibilities of Using  
the Gyroscopic Effect of the Orbital  
Movement of Elementary Particles for the  
Measurement of Angular Velocity, by  
Andrzej Bialecki,  
POLISH, per, Pomiary-Automatyka-Kontrola,  
No 10, 1960, pp 386-391.

\*FTD-TT-61-23

The Manufacture of Partly Chilled Rolls  
From Spheroidal Graphite Cast Iron, by  
R. D. Rusiew.  
POLISH, per, Przeglad Odlewnictwa, Vol X,  
No 4, 1960, pp 106-111.

BISI 2020

Use of Fuel Oil or of Methane Gas in  
Blast Furnace, by Cezar Avram, 24 pp.  
RUMANIAN, per, Metalurgia si Constructia  
de Masini, Vol XIII, No 1, 1961, pp 1-7.

JPRS 8762

Surface Finishing by Smoothing With Vibration,  
by Frederic Pischny, Aurel Bancila, 10 pp.  
RUMANIAN, per, Metalurgia si Constructia de  
Masini, Vol XIII, No 1, 1961, pp 72-75.

JPRS 8762

The Concrete-Plastic Combination as Pipe  
Material (Protective Coating Against  
Aggressive Substances), by J. G. Don Carlos  
Carril Carvajal, 25 pp.  
SWEDISH, per, Cement Och Betong, No 2, 1960,  
pp 142-163.

CSIR 169

Surface Conditioning of Ingots and Billets,  
by G. Kihlgren.  
SWEDISH per, Jernkontonets Annaler, Vol CXL,  
No 4, 1956, pp 314-344.

BISI 2159

Thermochemical Calculations of the Blast Furnace  
Process, by R. Linder.  
SWEDISH, per, Jernkontorets Annaler, Vol CXLIV,  
No 12, 1960, pp 859-967.

MT

On the Reproducibility of the Silver Electrode  
Potential, by T. E. Brehmer, 10 pp.  
SWEDISH, per, Tekniska Foreningens i Finland  
Forhandlingar 75, 1955, pp 14-18, 71-75.

\*NRL  
Dept of Navy

Scientific  
Engineering (Contd)

Damping-Hub for Compasses and Similar  
Instruments, by H. B. D. Dahlqvist, 3 pp.  
SWEDISH, Patent No 100,995.

Dept of Commerce  
Patent Office  
Sci Lib

Socket Wrench Arrangement, by K.T.F. Johansson,  
3 pp.  
SWEDISH, Patent No 150-459.

Dept of Commerce  
Patent Office  
Sci Lib

Surface Defects in Precision Casting,  
by E. G. Nickel.  
UNKNOWN, Paper Given at the European  
Conference on Precision Casting, May 1958,  
Paris, 5 pp.

\*BISI 2356

Scientific  
Fuels

Jet Propulsion Fuels, by N. A. Ragozin,  
168 pp.  
RUSSIAN, bk, Reaktivnye Topliva, 1959.

FP

Solid High-Vacuum High-Temperature Lubricant,  
by L. N. Sentyurikhina, B. N. Malyshev, et al.  
RUSSIAN, per, Khim i Tekh Topliv i Masel,  
No 7, 1961.

\*FTD-TT-61-58

Thermal-Physical Properties of Certain Air-  
craft Fuels in Liquid and Gaseous States.  
RUSSIAN, per, Trudy Moskva Ordeni Lenina  
Aviatsionnyy T Institut imeni Svze Orozhonikidzr,  
No 132, 1961, 161 pp.

\*FTD TT 61-81

A Test on Three Motor Lubricating-Oil Additives --  
701, 711, and 711A, by Chang Fang-chien,  
Wang Yu-k'ang, 39 pp.  
CHINESE, per, Jan-liao Hsueh-pao, Vol IV,  
No 2, 1959, pp 14C-156.

JPRS 4904

Project of Preliminary Report on the Uses  
of Fly Ash.  
FRENCH, rpt, 1961.

Dept of Interior  
TN7 E57 No 407

Laboratory Experiments on the Behavior of  
Fuels in Furnaces, by K. Wickert, 13 pp.  
GERMAN, per, Brennstoff-Warme-Kraft, Vol XI,  
No 10, 1959, pp 455-462.

Dept of Interior  
TN7 E57 No 380

The Extraction of Creosote- and Asphalt-Rich  
Brown-Coal High-Temperature Tar With Aqueous  
Methanol, by Erich Gundermann.  
GERMAN, per, Erdol und Kohle, Vol XIII, No 7,  
1960, pp 467-470.

Dept of Interior  
TN7 E57 No 400

Extraction of Creosote- and Asphalt-Rich  
Brown-Coal High Temperature Tar With Aqueous  
Methanol II. Experimental Results: Raffinates  
and Extracts, by Erich Gundermann.  
GERMAN, per, Erdol und Kohle, Vol XIII,  
1960, pp 556-560.

Dept of Interior  
TN7 E57 No 401

Scientific  
Fuels (Contd)

Microscopic Research on the Structure of  
Coke Produced From Various Polish Coals, by  
Jan Krajewski, 10 pp.

POLISH, per, Biuletyn Instytutu Naukowo-  
Badawczego Przemyslu Weglowego, No 37, 1948,  
p 25.

OTS 60-21530  
(PL 480)

Electrostatic Separation of Coals, Pt. I,  
Tests on Electrical Conductivity of Coals  
and Associated Mineral Matter, by  
Jan Krajewski, Szymon Herszderfer, 6 pp.

POLISH, per, Prace Glownego Instytutu  
Gornictwa, No 78, 1951, pp 1-4.

OTS 60-21288  
(PL 480)

Tests on the Mild Oxidation of Bituminous  
Coal, by A. Ihnatowicz, J. Jastrzebski.

POLISH, per, Prace Glownego Instytutu  
Gornictwa, No 208, 1958, p 6.

OTS 60-21270  
(PL 480)

Conference on Problems of the Over-All  
Utilization of Coke Gas, by Ch. M. Meytina, .  
3 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrayinskoyi RSR,  
No 9, 1961, pp 1302-1304.

JPRS 8777.

Scientific  
Geophysics

The Study of the Heat and Moisture Balance of the Ukraine as a Basis for Measures to Raise the Productivity of Agriculture, by V. P. Popov, T. K. Bogatyr', G. P. Dubinskiy, 12 pp.  
RUSSIAN, rpt.

Amer Geog Soc  
Soviet Geography  
Vol II, No 7

The Heat and Moisture Regime and Geographic Zonality, by A. Z. Grigor'yev, 13 pp.  
RUSSIAN, rpt.

Amer Geog Soc  
Soviet Geography  
Vol II, No 7

Laws Governing the Microstructure of Temperature and Wind in the Surface Layer of the Atmosphere, by A. M. Obukhov, 8 pp.  
RUSSIAN, bk, 1958, pp 131-137.

Amer Meteorol Soc X-R-280

Heat Balance and Microclimate, by M. P. Timofeyev, 10 pp.  
RUSSIAN, bk, 1960, pp 120-127.

Amer Meteorol Soc X-R-284

Local Forecasts of Temperature and Humidity Changes, by M. E. Berlyand, 27 pp.  
RUSSIAN, bk, 1958, pp 138-156.

Amer Meteorol Soc X-R-273

Peculiarities in the Meteorological Regime of the Surface Layer of the Atmosphere in Reclamation Areas of Virgin and Long-Abandoned Lands, by I. A. Gol'tsberg, 16 pp.  
RUSSIAN, bk, 1958, pp 212-223.

Amer Meteorol Soc X-R-279

Progress in Investigating Climatogenetic Processes in the Surface Layer of the Atmosphere on the Basis of Observations of a Single Station, by A. P. Gal'tsov, 13 pp.  
RUSSIAN, bk, 1958, pp 224-232.

Amer Meteorol Soc X-R-278

Hydrology of the Amu-Darya Delta -- Physical-Hydrological Characteristics, by M. M. Rogov. RUSSIAN, rpt, Gidrologiya Del'ty Amu-Dar'i--Geografogidrologicheskaya Kharakteristika, 1957, pp 17-24, 45-53.

\*USDA

Radar Observations of Meteors by the Program of International Geophysical Year, by B. L. Kashcheyev. RUSSIAN, bk, Ionosfery i Meteorov, Vsekh Sbornik Issled No 2 Moskva AN SSSR, No 2, 1960, pp 40-53.

\*FTD-TT-61-26

Scientific  
Geophysics (Contd)

Measurements of the Electron Concentration in the Ionosphere to Heights of 400-470 km, Made During the IGY Using Radiowaves Emitted From the Geophysical Rockets of the Soviet Academy of Sciences, by K. I. Gringauz, V. A. Rudakov, 21 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 6, 196, pp 48-62.

Amer Meteorol Soc T-R-363

Measurement of the Concentration of Positive Ions in the Ionosphere by Ion Traps on the Third Soviet Earth Satellite, by K. I. Gringauz, V. V. Bezrukikh, V. D. Ozerov, 44 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 6, 1961, pp 63-99.

Amer Meteorol Soc T-R-357

Selected Articles From the Russian Book Issledovaniya Ionosfery, IGY Program, Part V, No 3, 1960, (NY-6686).

\*JPRS

An Investigation of the Distribution of Electron Density With Height, by B. S. Shapiro, (pp 7-17).

Some Peculiarities in the Geographic Distribution of the Maximum Electron Concentration in the F2-Layer Over the Urals, Siberia, the Northern Caucasus and Middle Asia, by V. N. Kessenikh, (pp 18-21).

Correlation of foF2 With the Indices of Solar Activity, by T. S. Kerbley, Ye. M. Kovalevskaya, (pp 22-26).

On the Irregularities in the F Region According to the Observations at Dixon I. Observatory, by N. S. Pankratova, (pp 40-50).

On Some Regularities of the Low Ionosphere Over Dixon I., by Ye. P. Cherenkova, (pp 51-59).

Application of the First Reflections for the Absorption Measurements in the Ionosphere at Dixon Station, by G. N. Gorbushina, (pp 60-65).



Scientific  
Geophysics (Contd)

Selected Articles From the Russian Book  
Issledovaniya Ionosfery, IGY Program,  
Part V, No 3, 1960, (NY-6686). (Contd)

\*JPRS

Non-Deviative Absorption in the Auroral  
Zone, by O. N. Struin, Y. I. Feldstein,  
(pp 66-76).

Certain Anomalies During Investigation of  
Ionospheric Drifts, by V. D. Gusev,  
S. F. Mirkotan, (pp 77-82).

On the Measurement of M3000-Factors, by  
Z. Ts. Rapoport, (pp 83-89).

Some Results in the Investigation of the  
Intensity of Atmospheric Radio-Noise in  
Moscow, by Ya. I. Likhter, G. I. Terina,  
(pp 90-94).

One of the Possible Methods of Determina-  
tion of the Effective Coefficient of Recom-  
bination and of the Ionization Velocity,  
by Ya. S. Rodionov, (pp 95-99).

Research of the Irregularities in the Ionosphere.  
RUSSIAN, bk, Issledovaniya Neodnorodnostey v  
Ionsfere, 1960, Part V, No 4, 97 pp.

Amer Meterol Soc  
T-RC-21

Selected Articles From the Russian Book  
Issledovaniya Polyarnykh Sisyaniy IGY  
Program, Part IV, No 4, 1960, (NY-6686).

\*JPRS

The First Results of the Aurorae Studies  
With the Spectral Camera C-180S During the  
IGY, by L. S. Evlashin, (pp 7-13).

On the Question of Geographical Distribution  
of Auroras in the Arctic, by A. P. Nickolsky,  
(pp 14-19).

On the Diurnal Way of Auroras and Magnetic  
Activity on the Drifting Station of the  
North Pole-6 (SP-6), and the Pole-7 (SP-7)  
During 1957-1958, by B. S. Moiseyev,  
L. N. Zhigalov, (pp 20-24).

Scientific  
Geophysics (Contd)

Selected Articles From the Russian Book  
Issledovaniya Polyarnykh Sisyaniy IGY Program,  
Part IV, No 4, 1960, (NY-6686). (Contd)

\*JPRS

Preliminary Results of Visual Observations  
of Auroras on the Drifting Station SP-6 and  
SP-7 During 1958-1959, by B. G. Belousov,  
B. S. Moiseyev, (pp 25-28).

Magnetic-Ionsphere Disturbances and Auroras  
on Dixon Island, by Y. I. Feldstein, (pp 29-39).

Researches the Distortion Curves Cameras  
C-180, by O. V. Khorosheva, (pp 40-46).

Observations of a Derivative in Time From  
a Vertical Component of the Geomagnetic  
Field During the Aurorae, by Y. A. Nadubovitch,  
(pp 47-51).

Azimuths of the Auroral Arcs According to  
the Observations on Dixon Island, by G. V.  
Starkov, Y. I. Feldstein, (pp 56-60).

Geographical Distribution of the Aurorae  
and Azimuths of Auroral Arcs, by  
Y. I. Feldstein, (pp 61-68).

Meteoritics, 156 pp.  
RUSSIAN, rpt, Meteoritika, No 19, 1960.

NASA TT F-8038

Scientific  
Geophysics (Contd)

Selected Articles From the Russian Report  
Mezhvedomstvennaya Konferentsiya po Voprosam  
Issledovaniya Oblakov, Osadkov i Grozovogo  
Elektrichestva, 1957.

Amer Meteorol Soc T-RC-20

Experiment in Forecasting the Concentra-  
tion of Intra-Airmass Cumulus Clouds, by  
E. S. Selezneva, (pp 53-55).

The Problem of Forecasting the Concentra-  
tion of Intra-Airmass Convective Clouds,  
by M. P. Prikhod'ko, (pp 56-59).

Observations of Jet Stream Clouds in the  
Moscow Region, by V. I. Snegirev, (pp 65-73).

The Problem of Forecasting Cloudiness;  
Present Status and Leading Investigations,  
by K. G. Abramovich, (pp 81-85).

Problems in Tectonophysics, by V. V. Belousov,  
M. V. Gzovskiy, 28 pp.  
RUSSIAN, rpt, Problemy Tektonofiziki, 1957.

MEB

Synoptic-Aerological Study of the Upper  
Troposphere and the Lower Stratosphere,  
by G. D. Zubian.  
RUSSIAN, bk, Sinoptiko-Aerologicheskoe  
Issledovanie Verkhnei Troposfery i Nizhnei  
Stratosfery, 1961, pp 1-72.

Amer Meteorol Soc M-RTC-31

The Importance of the Plant and Soil Cover  
in the Development of Erosion in the Georgian  
Mountains, by G. M. Tarashevili, 6 pp.  
RUSSIAN, bk, Soveschaniye po Bor'be s Eroziyey  
Pochv., No 6, 1955, pp 509-516. 9080437

OTS 60-51017  
PL 480

On the Nature of the OH Emission in the Upper  
Atmosphere, by V. I. Krasovskiy, 3 pp.  
RUSSIAN, bk, Spektral'nye, Elektrofotometricheskie  
i Radiolokatsionnye P Issledov. Polyarnykh Siyaniy  
i Svechenie Nochnogo Neba. Section IV of IGY  
Program, No 5, 1961, pp 29-31.

\*Navy/NRL

Scientific  
Geophysics (Contd)

Stratigraphical Distribution of Gastropodes  
in the Ordovician of the Baltic Region, by  
V. A. Vostokova, 9 pp.  
RUSSIAN, rpt, VNIGRI, Sbornik Statei, 1955,  
pp 301-308.

Dept of Interior  
QE3 E57 No 54

Problems of the Energetics of Atmospheric  
Processes, by E. P. Borisenkov.  
RUSSIAN, bk, Voprosy Energetiki Atmosfernykh  
Protsessov, 1960, pp 1-168.

Amer Meteorol Soc M-RTC-30

Forestry and Agrotechnical Measures for the  
Prevention of Water Erosion of Soils on the  
Black Sea Littoral of the Caucasus, by  
A. M. Burykin, 7 pp.  
RUSSIAN, bk, Vsesoyuzn Soveshchanie po  
Bor'be s Eroziiei Pochvy, 1955, pp 556-563.  
9078497

OTS 60-21876  
PL-480

Some Laws Governing the Regional Geologic  
Occurrence of Ferrous and Nonferrous Metal  
Ores, by Ye. Ye. Zakharov, 30 pp.  
RUSSIAN, bk, Zakonomernosti Razmeshcheniya  
Poleznykh Iskopayemykh, 1958, pp 92-122.

Amer Geological Inst  
Internatl Geology Review  
Vol III, No 8

The Hydrological Role of Shelterbelts on  
the Kamennaya Steppe, by G. F. Basov, 20 pp.  
RUSSIAN, per, Agrobiologiya, No 1, 1949,  
pp 131-147. 9078505

OTS 60-21871  
PL-480

Water Regime of the Soils of the Kamennaya  
Steppe in Dry Years, by D. P. Burnatskiy,  
M. I. Suchalkina, 15 pp.  
RUSSIAN, per, Agrobiologiya, No 1, 1949,  
pp 148-160. 9078507

OTS 60-21874  
PL-480

Soil Conditions Under Forest Strips,  
by A. M. Byalyi, 7 pp.  
RUSSIAN, per, Agrobiologiya, No 4, 1950,  
pp 133-137. 9078502

OTS 60-21873  
PL-480

An Attempt to Determine Certain Parameters  
of the Earth's Gravitational Field From the  
Results of Observations of Satellites 1957  
& 2, 1958, & 1, 1958, & 2, by I. D. Zhongolovich.  
RUSSIAN, per, Byul Stant Optiches Nablyuden  
Iskuss Sputnik Zemli, No 2, 1960, pp 1-24.

RAE 913

Scientific  
Geophysics (Contd)

Passive and Active Defense From the Catastrophic Eruptions of Volcanoes, by V. I. Vlodavetz.  
RUSSIAN, per, Byul Vulkanicheskoy Stant, No 28, 1959, pp 79-91.

Navy Tr 2860/HO 110

Atmospheric Transmittance Coefficient as Determined From Polarization of Sky Light, by Ye. V. Pyaskovskaya-Fesenkova, 7 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, No 4, 1960, pp 812-815. 9670996

FTD MCL-1123/1

Solar Corpuscular Streams and Geomagnetic Storm Families, by V. I. Afanas'eva.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV, 1960, pp 1120-1122.

NASA TT-F-8001

Molecular Ions in the Upper Atmosphere, by A. D. Danilov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, No 5, 1961, pp 1098-1101.

NASA TT F-8014

Cosmic Tellurometer, by N. Varvarov, (SF-1979).  
RUSSIAN, np, Ekonomicheskaya Gazeta, 8 Jan 1961, p 4.

\*JPRS

Outline of Activity of the Polish State Geodetic Service, by N. I. Modrinski, (DC-6288).  
RUSSIAN, per, Geodez i Kartog, No 6, 1961, pp 67-69.

\*JPRS

Vertical Movements of the Earth Crust and the Fluctuations in the Level of the Caspian Sea, by V. G. Rikhter, 5 pp.  
RUSSIAN, per, Geograf v Shkole, No 2, 1961, pp 16-20.

Amer Geographical Soc  
Soviet Geography  
Vol II, No 7

Present Methods of Preparing Frozen Ground for Excavation, by S. S. Chelnokov, 7 pp.  
RUSSIAN, per, Gorodskoe Khoz Moskvy, Vol XXVII, No 12, 1953, pp 19-23.

Dept of Interior  
GB 2401 U56 No 64

Scientific  
Geophysics (Contd)

The Role of Ancient Glaciation in Rebuilding  
the Hydrographic Net of the Upper Zeya Basin.  
RUSSIAN, per, Iz Ak Nauk SSSR, Jan-Feb 1961,  
pp 103-110.

500th INTC Gp, SIRA  
Tr No 104455

Kinematic Equations of Motion of a Coordinate  
Trihedron Relative to the Earth's Surface  
With Its Axes Stabilized in Inertial Space,  
by M. I. Zakharin, 7 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh  
Nauk, Energet i Avtomat, No 2, 1961,  
pp 144-147.

JPRS 4832

Diffusion Distillation in a Three-Phase  
Semidispersed System, by A. Ya. Perel'man,  
(DC-6329).  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz,  
No 8, 1961, pp 1214-1223.

\*JPRS

Conference on Agro-Climatic Resources,  
by G. D. Rikhter, S. S. Sabina, 5 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geograf,  
No 2, 1961, pp 123-125.

JPRS 4912

Conference on Problems of Composite Climatology,  
6 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geograf,  
No 2, 1961, pp 125-128.

JPRS 4912

Work on the Compilation of an International  
Glossary of Petrology, by I. E. Valtz,  
I. B. Volkova.  
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geol,  
No 7, 1960.

NCB A.1951.

Exploration of the Nydayama Region in the  
Kara Sea, by A. M. Larov.  
RUSSIAN, per, Iz Gosudarstvennogo Geograf-  
icheskogo Obshch, Vol LX, No 2, 1928, 8 pp.

\*ACIC

Determining Evaporation From the Soil Surface,  
by V. I. Vitkevich, 18 pp.  
RUSSIAN, per, Iz Tim Sel'skokhoz Ak, Vol V,  
No 24, 1958, pp 237-250. 9079576

OTS 60-51023  
PL-480

Scientific  
Geophysics (Contd)

Some Measurement Results of the Thermal Radiation of the Atmosphere in the Daytime, by K. Ya. Kondrat'ev, T. S. Gol'm, 6 pp. RUSSIAN, per, Met i Gid, No 11, 1959, pp 37-40.

Amer Meteorol Soc T-R-366

Literature on Meteorology, Hydrology, and Oceanography for 1960, (SF-1990). RUSSIAN, per, Met i Gid, No 7, 1961, pp 52-55.

\*JPRS

Results Conference at the Irkutsk Hydro-meteorological Observatory, by M. Sh. Furman, (SF-1990). RUSSIAN, per, Met i Gid, No 7, 1961, p 58.

\*JPRS

New Explorations of the Floor Relief in the Greenland Sea, by P. Volkov, 11 pp. RUSSIAN, per, Morskoy Flot, No 3, 1961, pp 35-37.

JPRS 9782

Selected Articles From the Russian Periodical Paleontol Zhur.

No 2, 1960.  
Ontogenetic Development of the Hinge in the Black Sea Veneridae, by I. A. Nevesskiy, 7 pp, (pp 58-62).

Dept of Interior  
QE3 E57 No 46

To the Systematics of the Upper Cretaceous Pectinids From the Mid-Pridniester Region, by V. A. Sobetsky, 18 pp, (pp 63-71).

Dept of Interior  
QE3 E57 No 45

Review of New Mississippian Belemnites Flower, Gordon, by V. N. Shimanskiy, 17 pp, (pp 158-162).

Dept of Interior  
QE3 E57 No 42

No 3, 1960.  
On the Origin and Phylogeny of Ostracodes, by V. A. Ivanova, 14 pp, (pp 21-27).

Dept of Interior  
QE3 E57 No 47

New Late Devonian Ostracodes From the Central Regions of the Russian Platform, by I. E. Zanina, 31 pp, (pp 77-89).

Dept of Interior  
QE3 E57 No 52

Scientific  
Geophysics (Contd)

Selected Articles From the Russian  
Periodical Pochvovedeniye.

No 6, 1946,  
pp 379-384, 9080446  
Concerning the Origin and Evolution  
of Chernozem Soils, by Ye. A. Afans'yeva,  
8 pp.

OTS 60-21846  
PL-480

No 12, 1947, pp 697-703,  
9080439.  
The Brown-Forest and the Light-Sepia  
Forest Soils, by I. N. Antipov-Karatayev,  
10 pp.

OTS 60-21847  
PL-480

No 4, 1948, pp 217-226,  
9080450.  
The Genesis of Podzolic Soils,  
by N. P. Remezov, 14 pp.

OTS 60-21839  
PL-480

No 7, 1952, pp 611-627,  
9080445.  
The Loess Problem and the Formation  
of Serozem, by A. N. Rozanov, 23 pp.

OTS 60-21845  
PL-480

No 6, 1955.  
Soil Changes Under Shelterbelts in the  
Conditions of the Caspian Lowland, by  
A. P. Biryukova, 9 pp, (pp 60-65),  
9080436

OTS 60-21872  
PL-480

The Positive Influence of Forest Strips  
(Shelter Belts) on the Moisture of Cis-  
Caucasian Chernozem During the Warm Sea-  
son, by A. F. Kalashnikov, 14 pp, (pp 74-82),  
9080441

OTS 60-21887  
PL-480

No 4, 1956, pp 36-42,  
9078506  
Formation of Secondary Minerals in Soils  
and Plants in Connection With the Migra-  
tion of Elements, by E. I. Parfenova,  
E. A. Yarilova, 10 pp.

OTS 60-21838  
PL-480



Scientific  
Geophysics (Contd)

Selected Articles From the Russian  
Periodical Pochvovedeniye. (Contd)

- No 6, 1957, pp 102-107,  
9080442  
Changes in the Properties of Ordinary  
Chernozem Soils in the Areas Between  
Strips Under Various Age Groups of Forest  
Strips, by Kh. M. Mustafayev, 10 pp.  
OTS 60-21899  
PL-480
- No 8, 1957, pp 46-53,  
9078499.  
The Influence of Soil Moisture on the  
Intensity of Transpiration of the Tree  
and Bush Species, by I. V. Gulidova,  
E. A. Afanas'yeva, 10 pp.  
OTS 60-21883  
PL-480
- No 10, 1957, pp 16-32,  
9080438  
A Short Review on Results of Forty  
Years of Investigation on Forest Soil  
Science, by S. V. Zorn, 24 pp.  
OTS 60-51026  
PL-480
- No 12, 1957, pp 90-97.  
9080449  
Seepage of Water From Soils in Mountainous  
Regions of the Humid Subtropics, by A. M.  
Burykin, 13 pp.  
OTS 60-21877  
PL-480
- Vol I, 1957, pp 107-110,  
9080440  
The Alteration of the Soil Under Shelter-  
Belts of Different Composition, by Kh. M.  
Mustafayev, 5 pp.  
OTS 60-21900  
PL-480
- Effect of Shelterbelts on the Soil of the  
Interstrip Area, by A. S. Baiko, 10 pp.  
RUSSIAN, per, Polezashch Les, 1955,  
pp 155-163. 9078500  
OTS 60-21869  
PL-480
- The Earth and Its Neighbors, by N. Barabashov.  
RUSSIAN, np, Pravda Ukrainy, Vol CXXXV, No 5855,  
10 Jun 1961, p 2, Col 1-7.  
\*FTD TT-61-76
- The Main Cause of the Regular Albedo Decrease  
in a Melting Snow Cover, by M. A. Kuznetsov,  
8 pp.  
RUSSIAN, per, Problemy Arktiki i Antarktiki,  
No 3, 1960, pp 112-115.  
Amer Meteorol Soc T-R-365

Scientific  
Geophysics (Contd)

Study of the Ice Area of the Drifting Station  
N.P.-4 During the Period of Melting and Ice  
Destruction in 1955, by B. A. Savel'yev.  
RUSSIAN, per, Problemy Severa, Vol II, 1958,  
pp 47-79:

Navy Tr 2855/HO 69

Ordovician Gastropods of the Chu-Ili  
Mountains, by V. A. Vostokova, 6 pp.  
RUSSIAN, per, Trudy Ak Nauk SSSR, Geol  
Inst, Vol I, 1956, pp 169-172.

Dept of Interior  
QE3 E57 No 55

Cambrian in the Western Part of Eastern  
Sayan. Excerpt From Pre-Cambrian and  
Lower Paleozoic Stratigraphy of Western  
Portion of Eastern Sayan, by V. V. Khomentovsky,  
170 pp.  
RUSSIAN, per, Trudy Ak Nauk SSSR, Geol Inst,  
Vol IV, 1960, pp 71-149, 171-174.

Dept of Interior  
QE3 E57 No 51

Excerpts From Biological Studies by "Vityaz"  
in the Pacific Ocean, 47 pp.  
RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Okean,  
Vol XLI, 1960, pp 106-131.

Dept of Interior  
QE3 E57 No 53

Selected Articles From the Russian Periodical  
Trudy Glav Geofiz Observ Imeni A. I. Voyeykova.

No 77, 1958.

The Effect of Irrigation on the Heat Regime  
of Surrounding Areas, by N. I. Sokolik, 13 pp.  
(pp 34-42).

Amer Meteorol Soc X-R-282

A Simultaneous Determination of Meteorological  
Profiles and of the Quantitative Characteris-  
tics of Turbulence in the Boundary Layer of  
the Atmosphere, by A. G. Tarnopol'skiy, 5 pp,  
(pp 72-75).

Amer Meteorol Soc X-R-283

Certain Methods of Determining the Coefficient  
of Horizontal Turbulent Diffusion, by G. Kh.  
Tseitin, 5 pp, (pp 76-78).

Amer Meteorol Soc X-R-286

Certain Results in Measuring Thermophysical  
Properties of Soil Under Natural Condition,  
by I. G. Gorbunova, T. V. D'iachkova, N. V.  
Serova, 8 pp, (pp 79-83).

Amer Meteorol Soc X-R-288

Scientific  
Geophysics (Contd)

Selected Articles From the Russian Periodical,  
Trudy Glav Geofiz Observ Imeni A. I. Voyeykova.  
(Contd)

No 92, 1959, pp 102-136.

Amer Meteorol Soc X-R-277

Radiation and the Heat Balance of the  
Earth's Surface in the Arctic, by S. A.  
Bakalov, B. A. Deryugin, K. A. Sychev,  
29 pp.

No 94, 1960, pp 29-32.  
Wind Over a City, by N. Z. Ariel,  
L. A. Klyuchnikova, 6 pp.

Amer Meteorol Soc X-R-276

Genus Protolonsdaleiastreae. Corals From  
the Lower Carboniferous Beds of the Kirghiz  
Steppe, by J. Gorsky, 8 pp.  
RUSSIAN, per, Trudy Glavnogo-Razvedochnogo  
Upravleniya VSNH SSSR, 1932, pp 41-46.

Dept of Interior  
QE3 E57 No 40

On the Problem of the Classification of Mag-  
netic and Gravity Anomalies, by I. A. Balabushevich,  
RUSSIAN, per, Trudy Inst Geol Ak Nauk Belorvsskoy  
SSR, Vol I, 1958, pp 108-118.

\*ACIC

Description of Genera: *Lytvophyllum Dobrolyubova*  
gen. nov, by E. D. Soshkina, T. Dobrolyubova,  
G. Porfiriev.  
RUSSIAN, per, Trudy Inst Paleontologiya SSSR,  
Ak Nauk SSSR, Vol V, No 3, 1941, pp 146-147,  
151-153, 158-160, 200-201, 204-205.

Dept of Interior  
QE3 E57 No 41

The Microphysical Characteristics of Low  
Clouds and Fogs, by A. L. Dergach, 16 pp.  
RUSSIAN, per, Trudy Leningrad Arkticheskii i  
Antarkticheskii Nauchno-Issledovatel'skii  
Inst, Vol CCXXVIII, No 1, 1959, pp 55-67.

Amer Meteorol Soc T-R-362

Effectiveness of CO<sub>2</sub> Particles and AgI Smoke  
for Dispersing Supercooled Low Clouds and Fog,  
by V. G. Morachevskiy, V. Ya. Nikandrov, 12 pp.  
RUSSIAN, per, Trudy Leningrad, Arkticheskii i  
Antarkticheskii Nauchno-Issledovatel'skii Inst,  
Vol CCXXVIII, No 1, 1959, pp 135-145.

Amer Meteorol Soc T-R-355

Scientific  
Geophysics (Contd)

Some Data on the Water Content of Fog  
in the Arctic, by V. Ya. Nikandrov, 5 pp.  
RUSSIAN, per, Trudy Leningrad, Arkticheskii  
i Antarkticheskii Nauchno-Issledovatel'skii  
Inst, Vol CCXXVIII, No 1, 1959, pp 146-148.

Amer Meteorol Soc T-R-359

Middle Devonian Rugose Corals of the Northern  
Urals; by E. D. Soshkina, 11 pp.  
RUSSIAN, per, Trudy Polyarnov Komissi Ak Nauk  
SSSR, No 28, 1936, pp 15-21.

Dept of Interior  
QE3 E57 No 43

A Study of the Scattering Indicatrices in  
the Troposphere and Lower Stratosphere, by  
V. F. Belov, 21 pp.  
RUSSIAN, per, Trudy Tsentral Aerol Observ,  
No 23, 1957, pp 63-77. 9670741

FTD MCL-929/1

On the Theory of Long-Term Prognosis for  
Calculating the Vertical Stratification of  
the Atmosphere and Turbulence, by S. A.  
Mashkovich, Ya. M. Kheyfets, (NY-6689)  
RUSSIAN, per, Trudy Tsentral Inst Prog,  
No 93, 1960, pp 3-15.

\*JPRS

Perfecting the Method of Long-Term  
Prognosis of the Maps of Absolute Topography  
According to a Barotropic Model, by Ya. M.  
Kheyfets, I. A. Shishkova, (NY-6689).  
RUSSIAN, per, Trudy Tsentral Inst Prog,  
No 93, 1960, pp 16-24.

\*JPRS

Genus Arachnastraea Yabe et Hayasaka, 1916,  
Family Cystophoridae fam. nov., Genus  
Cystophora Yabe et Hayasaka, 1961, Genus  
Lonsdaleiastraea Gerth, 1921; Excerpts From  
Rugose Corals and Stratigraphy of Middle  
and Upper Carboniferous and Permian Deposits  
of the Donets Basin, by V. D. Fomichev, 121 pp.  
RUSSIAN, per, Trudy Vses Nauchno-Issled Geolog,  
Inst (VSEGEI) Ministerstva Geologii, 1953,  
pp 435-440.

Dept of Interior  
QE3 E57 No 39

Geological Structure of Second Baku Platform  
Regions in Terms of Regional Geophysical  
Exploration.  
RUSSIAN, per, Trudy Vses Neft Nauchno-Issled  
Geol Inst, No 100, 1956, pp 263-266.

\*ACIC

Scientific  
Geophysics (Contd)

Age Relationship of the Rakovka and Lower Malinovka Deposits of the Kama-Kinel Basin, Based on the Ostracode Study, by V. A. Chizhova, 10 pp.  
RUSSIAN, per, Trudy Vses Neft Nauchno-Issled Inst (VNII), 1960, Vol XXX, pp 181-186.

Dept of Interior  
QE3 E57 No 44

Underground Contour of Dams on Non-Rocky Foundations, 91 pp.  
RUSSIAN, per, Vses Nauchno-Issled Institut Gidrotekh, 1958.

OTS 60-21157  
PL 480

Selected Articles From the Chinese Periodical Shui-wen Ti-chih Kung-ch'eng Ti-chih, No 6, 1960.

Rapidly Develop Research Work in Surveying Dynamic Characteristics of Underground Water to Serve Between the National Economy and Construction, by Chang Keng-sheng, 7 pp, (pp 1-3).

JPRS 4931

Rapidly Develop Long-Term Surveying Work for Subsurface Water in North China Plains, by Kao Chi'yun, 7 pp, (pp 3-5).

JPRS 4931

Introducing Some Experiences of the Ta-li Underground Water Survey Station, by Chao Shao-wu, 8 pp, (pp 15-17).

JPRS 4931

Ideas From Reading the Plans and Reports of a Hydrology Stand, by Ts'ai Tsu-huang, 5 pp, (pp 17-18).

JPRS 4931

A Rapid Method of Adjusting the Scales of a Hydrometer of Soil Particle Analysis, 5 pp, (pp 29-30).

JPRS 4909

The Genesis of the Pai-Lang-Kou Mineral Spring of Kansu and Related Problems, by Ts'ai Erh-fen, 6 pp, (pp 34-35).

JPRS 4909

The Regularities of Water Surface Recovery in Wells Drilled in Free Water Aquifers and Their Significance of the Rapid Determination of Well Discharge and Coefficient of Permeability, by Liang Chien-t'ang, 12 pp, (pp 36-47).

JPRS 4909

Scientific  
Geophysics (Contd)

Yugoslav Hydrometeorological Service,  
by M. P. 20, pp.  
CROATIAN, per, Jugoslovenski Pregled,  
Apr 1961, pp 177-179.

JPRS 8799

Protection of Metals Against Atmospheric  
Corrosion in the Tropics, 19 pp.  
CZECH, per, Slaboproudý Obzor, Vol XX,  
No 8, 1959, pp 509-514.

USASIA: H-6633-T

Solar Radio Events and Geomagnetic Storms,  
by L. D. De Feiter, A. D. Fokker,  
H. P. Th. Van Lohuizen, et al, 5 pp.  
DUTCH, rpt.

Planet & Spac Sci  
Vol II, No 4, Aug 1960  
PP

The Harmonic Member of First Order With  
Isostasy, by Karl Jung.  
FINNISH, per, Suomen Geodeettisen Laitoksen  
Julkaisuja, No 46, 1955.

\*ACIC

Gravity Field in the Vertical Line. Compu-  
tation of the True Geoid, by K. Ledersteger.  
FINNISH, per, Suomen Geodeettisen Laitoksen  
Julkaisuja, No 46, 1955.

\*ACIC

Development at Low Temperature, by  
J. Fournaux, 12 pp.  
FRENCH, rpt, BLG-42, 7 Jan 1960, pp 1-8.

AEC NP-Tr-603

The Color of the Sea, by Otto Krummel.  
GERMAN, bk, Handbuch der Ozeanographie,  
Book I, Chap III, 1907, pp 266-279.

Navy Tr 2858/HO 106

Gravity Measurements Northwest of Zurich  
and Their Geological Interpretation, by  
Peter Gretener.  
GERMAN, bk, Schweremessungen Nordwestlich  
von Zurich and Ihre Geologische Interpre-  
tation, 1954.

\*ACIC

Transparency Records as a Method of Oceano-  
graphical Investigation, by Joseph Joachim.  
GERMAN, per, Deutsche Hydrografische Z.,  
Vol III, 1950, pp 69-77.

Navy Tr 2859/HO 108

Scientific  
Geophysics (Contd)

On the Question of the Internal Thermal Agitation in the Sea, by Kurt Kalle.  
GERMAN, per, Deutsche Hydrographische Z., Vol VI, No 4-6, 1953, pp 145-170.

Navy Tr 2856/HO 93

Principles of Deep Sea Diving Down to Depths of 150 m, by Herman Tietze.  
GERMAN, per, Draeger-Hefte, No 232, Jan/Mar 1958, pp 5015-5023.

Navy Tr 2871/ONI 844

On the Calculation of Air Electrical Current Circuit. Part II. On the Validity of the Ohm's Law in the Atmosphere, by H. Dolezalek, 24 pp.  
GERMAN, per, Geofisica Pura e Applicata - Milano, Bd 45 (1960/I), pp 273-297.

\*NRL

On the Calculation of the Air Electrical Current Circuit. Part III. Control of the Ohm's Law by Measurement, by H. Dolezalek, 20 pp.  
GERMAN, per, Geofisica Pura e Applicata - Milano, Bd 46 (1960/II), pp 125-144.

\*NRL

Growth of Ice Water Mixtures in an Experimental Hail Tunnel, by Roland List, 3 pp.  
GERMAN, per, Helvetica Physica Acta, Vol XXXII, No 4, 1959, pp 293-296.

Amer Meteorol Soc T-G-165

Solar and Diurnal Effects in the Upper Atmosphere From Observations of Artificial Earth Satellites, by W. Priester, H. A. Martin.  
GERMAN, per, Mitt Univ Sternw Bonn, No 29, 1960.

RAE 901

Age Determinations on Stone Meteorites With the Potassium - Argon Method Using a Newly Developed Technique, by H. Wanke, H. Konig, pp 1-18.  
GERMAN, per, Z Naturforsch, Vol XIVa, Oct 1959, pp 860-866.

AEC AFCL-TR-60-411

A Geological Interpretation of the Lunar Surface, by S. Miyamoto, 5 pp.  
JAPANESE, rpt.

Planet & Spac Sci  
Vol II, No 4, Aug 1960  
PP

Scientific  
Geophysics (Contd)

Polar Ionospheric Disturbances and Solar  
Corpuscular Emissions, by T. Obayashi,  
Y. Hakura, 11 pp.  
JAPANESE, rpt.

Planet & Spac Sci  
Vol V, No 1, Jan 1961  
PP

Study of Eruptions and Earthquakes Origina-  
ting From Volcanoes (Part 1 of 3), by  
Takeshi Minakami, 8 pp.  
JAPANESE, per, Bulletin of the Volcanological  
Society of Japan, Vol IV, No 2, 1959,  
pp 104-114.

Amer Geol Inst  
Int Geol Rev  
Vol III, No 8

On the Formation and Growth of Sea Ice in  
the Southern Part of the Okhotsk Sea, by  
Tadashi Tabata, 13 pp.  
JAPANESE, per, Low Temperature Science,  
Series A, Vol XIX, 1960, pp 175-186

Amer Meteorol Soc T-J-9

An Example of Heavy Absorption in the  
VHF-Band in the Arctic Ionosphere, by  
L. Harang, J. Troim, 3 pp.  
NORWEGIAN, rpt.

Planet & Spac Sci  
Vol I, No 2  
PP

The Time Delay of the Red [OI] Lines in  
the Aurora, by A. Omholt, 3 pp.  
NORWEGIAN, rpt.

Planet & Spac Sci  
Vol II, No 4, Aug 1960  
PP

Investigation of Auroral Echoes -- II,  
by L. Harang, J. Troim, 4 pp.  
NORWEGIAN, rpt.

Planet & Spac Sci  
Vol V, No 2, Jun 1961  
PP

Studies of Auroral Echoes -- I, by  
L. Harang, J. Troim, 13 pp.  
NORWEGIAN, rpt.

Planet & Spac Sci  
Vol V, No 1, Jan 1961  
PP

Draft of Electrons in Plasma Under the In-  
fluence of Electromagnetic Wave, by  
S. Manczarski.  
POLISH, per, Acta Geophysica Polonica,  
Vol IX, No 1-2, 1961, pp 75-81.

\*FTD-TT-61-90

Wavelike Structure of the Ionosphere,  
by S. Manczarski.  
POLISH, per, Acta Geophysica Polonica,  
Vol IX, No 1-2, 1961, pp 82-90.

\*FTD-TT-61-90



Scientific  
Geophysics (Contd)

Problem of the Field Strength Amplification of Radio Waves in the Ionosphere, by S. Manczarski.

POLISH, per, Acta Geophysica Polonica, Vol IX, No 1-2, 1961, pp 91-102.

\*FTD-TT-61-90

Oceanographic Operation Marchile I Background, by Albert Andrade Taraba.

SPANISH, per, Boletin Informativo, No 55, 31 Jan 1960.

Navy Tr 2857/HO 101

Recent Results in the Investigation of the Relation Between Lightning Discharges and Whistlers, by H. Norinder, E. Knudsen, 4 pp.  
SWEDISH, rpt.

Planet & Spac Sci  
Vol V, No 1, Jan 1961  
PP

Meteorology and Production, 5 pp.  
VIETNAMESE, np, Nhan Dan, 7 Apr 1961, p 4.

JPRS 9775

Scientific  
Mathematics

Instructions on Triangulation of First,  
Second, Third, and Fourth Order, by  
V. N. Sheshkin.

RUSSIAN, bk, Instruktsiya po Triangulyatsii  
1, 2, 3, 4 Klassov, 1957, 322 pp.

\*ACIC

Mathematical Methods of Investigating Auto-  
matic Regulation Systems, by V. I. Zubov,  
336 pp.

RUSSIAN, bk, Matematicheskie Metody Issledo-  
vanya Sistem Avtomaticheskogo Regulirovaniya,  
1959, 324 pp. 9081188 V

AEC Tr-4494

The Application of Logic in Science and  
Technology, by N. V. Tavanets, (DC-6718).  
RUSSIAN, bk, Primeneniye Logiki v Nauke i  
Tekhnike, 1960, pp 3-21, 178-214, 377-393,  
394-414, 502, 503.

\*JPRS

Works With Finite Admittances Using the  
Theory of Cumulative Nets, by G. N. Pavarov,  
6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVI,  
No 2, Jan 1961, pp 308-310.

Interntl Physical Index  
Automation Express  
Vol III, No 9

An Algorithm for Establishing Word Identi-  
ties in a Nilpotent Product of Groups Spec-  
ified by a Finite Number of Generants and  
Definitive Relationships, by D. S. Faermark,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII,  
No 2, Mar 1961, pp 291-294.

Interntl Physical Index  
Automation Express  
Vol III, No 9

Equations of a Free-Molecular Flow, by  
E. Larish.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh  
Nauk, Mekh i Mash, No 2, 1961, pp 70-77.

\*FTD-TT-61-57

On a Method of Constructing Optimal Tra-  
jectories, by N. N. Krasovskiy, 17 pp.

RUSSIAN, per, Matemat Sbornik, Vol LIII  
(95), No 2, 1961, pp 195-206.

JPRS 4939

Mathematical Problems of One Group  
Theory of Particle Transport, by  
V. S. Vladimirov.

RUSSIAN, per, Trudy Matemat Inst imeni  
V. A. Steklova, Vol LXI, 1961.

\*AERE, Harwell

Scientific  
Mathematics (Contd)

Statistical Methods in Quality Control,  
by B. Pardubsky, 21 pp.

CZECH, per, Pokroky Matematiky, Fysiky  
a Astronomie, Vol II, 1957, pp 534-543,  
668-674. 9080664

AEC Tr-4548

A Mathematical Examination of a  
Monostable Multivibrator, 10 pp.  
GERMAN, rpt.

USASIA: H-6544

Mathematical Investigation of the Drawing  
Process, by E. Siebel.

GERMAN, per, Stahl und Eisen, Vol LXXII,  
10 Apr 1952, pp 425-426.

BISI 2349

Mathematical Papers of the IFAC Congress,  
by S. Ziemba, (NY-6668).

POLISH, per, Archiwum Automatyki i  
Telemenchaniki, Vol VI, No 2-3, 1961,  
pp 333-336.

\*JPRS

Conditions of Invariability for Linear  
Systems With Variable Parameters, by

O. I. Kukhtenko, B. M. Shuman, 4 pp.  
UKRAINIAN, per, Dopovidi Ak Nauk Ukrayins'-  
koyi RSR, No 5, 1961, pp 608-610.

JPRS 9988

Scientific  
Medicine

Tularemia: World Distribution of  
Tularemia, Its Epidemiology and Prophylaxis. Natural Foci and Epidemiology  
of Highly Dangerous Infectious Diseases,  
by N. G. Olsuf'yev, 16 pp.  
RUSSIAN, bk, Publ by State Sci Res Inst of  
Microbiol and Epidemiol of SSR, Ministry  
of Health Saratov, 1959, pp 422-436. 9079703

NIH 7-29-61

Special Epizootiology, by I. I. Lukashev.  
RUSSIAN, rpt, Chastnaya Epizootologiya,  
1961, 304 pp.

\*USDA

The Role of Space Medicine in Providing  
for the Flight of the First Cosmonaut, by  
V. V. Parin, 8 pp.  
RUSSIAN, pamphlet, Meditcina i Kosmicheskiye  
Polety, 1961.

JPRS 9939

Fundamental Medical-Biological Problems of  
Space Flights, by O. G. Gazenko, 15 pp.  
RUSSIAN, pamphlet, Meditcina i Kosmicheskiye  
Polety, 1961.

JPRS 9939

Radiation in Cosmic Space, by S. N. Vernov,  
4 pp.  
RUSSIAN, pamphlet, Meditcina i Kosmicheskiye  
Polety, 1961.

JPRS 9939

The Brain and Electronic Machines, by  
P. I. Gulyayev, 44 pp.  
RUSSIAN, bk, Mozg i Elektronnaya Mashina,  
1960, pp 3-47.

JPRS 9992

Particularly Dangerous and Rarely Encountered  
Infectious Diseases and Their Prophylaxis,  
by M. K. Nesterenko, 40 pp.  
RUSSIAN, pamphlet, Osobo Opasnyye i Redko  
Vstrechayushchiyesya Infektsionnyye Zabo-  
levaniya i Ikh Profilaktika, 1960, pp 3-40.

JPRS 10130

Regulations for the Shipment of Radioactive  
Substances, by G. M. Pchelintseva, (DC-6322).  
RUSSIAN, pamphlet, Pravila Perevozki Radio-  
aktivnykh Veshchestv, 1961, pp 1-64.

\*JPRS

Scientific  
Medicine (Contd)

Sanitary Chemical Defense, by  
Yu. V. Drugov, 440 pp.  
RUSSIAN, bk, Sanitarno-Khimicheskaya  
Zashchita, 1959, pp 1-436.

JPRS 10049

Sanitary Rules for Working With Radioactive  
Substances and Sources of Ionizing Radiations,  
by G. M. Pchelintseva, (NY-6705).  
RUSSIAN, booklet, Sanitarnyye Pravila Raboty  
s Radioaktivnymi Veshchestvami i Istochnikami  
Ioniziruyushchikh Izlucheniya, 1960, pp 1-119.

\*JPRS

Bactericidal Irradiation Produced by Natural  
Ultraviolet Radiation Under Contaminated  
Atmosphere Conditions, by D. M. Tyukov,  
7 pp.  
RUSSIAN, bk, Sbornik Trudov, Inst Radiatsion-  
noy Gigiyena, 1959, pp 48-55.

JPRS 8745

The Effect of Bactericidal Irradiation on  
the Virulence of Microorganisms, by  
R. S. Mostova, 6 pp.  
RUSSIAN, bk, Sbornik Trudov, Inst Radiatsion-  
noy Gigiyena, 1959, pp 150-157.

JPRS 8727

Anthrax (Lecture Aids), by A. V. Mashkov,  
29 pp.  
RUSSIAN, booklet, Sibirskaya Yazva (Materialy  
v Pomoshch Lektoru, 1958, pp 1-35.

JPRS 4873

Mentally Retarded Children (Outlines of  
Studies on the Characteristics of the Higher  
Nervous Activity of Oligophrenic Children),  
by A. R. Luriya, (NY-6692).  
RUSSIAN, bk, Umstvenno Otstalyy Rebenok:  
(Ocherki Izucheniya Osobennostey Vysshey  
Nervnoy Deyatel'nosti Detey-Oligofrenov,  
1960, pp 1-203.

\*JPRS

Morbidity Among the Rural Population, by  
P. I. Kal'yu, Ye. A. Loginova, S. Ye. Il'in,  
et al, (NY-6719).  
RUSSIAN, bk, Zabolevayemost' Sel'skogo  
Naseleniya, 1960, pp 1-237.

\*JPRS

Scientific  
Medicine (Contd)

The Importance of Inoculations, by  
I. I. Rogozin, 19 pp.  
RUSSIAN, bk, Znachenie Predokhranitel'-  
nykh Privivok, Encl 1 to RV-257-61, 1959,  
pp 3-35.

ACSI H-9542  
ID 2169663

Morphological Bases for the Inequality of  
Auditory and Optic Analyzers in the Be-  
havior of Dogs and Monkeys, by V. P. Zvorykin,  
(NY-6696).

RUSSIAN, per, Arkhiv Anatomii, Gistol  
i Embriologii, Vol XLI, No 7, 1961, pp 28-37.

\*JPRS

Comparative Morphological Data on the Adapta-  
bility of Cutaneous Pressure Reception in  
Normal and Blind People, by A. A. Otelin,  
(NY-6696).

RUSSIAN, per, Arkhiv Anatomii, Gistol i  
Embriologii, Vol XLI, No 7, 1961, pp 72-84.

\*JPRS

On the Problem of Reticuloses, by  
R. D. Shtern, 25 pp.  
RUSSIAN, per, Arkhiv Patol, Vol XXII,  
No 10, 1960, pp 3-16.

JPRS 10018

Morphogenesis of Leukemic Cells in the  
Focus of Transplantation of Leukemia in  
Mice, by F. B. Yermakova, 12 pp.  
RUSSIAN, per, Arkhiv Patol, Vol XXIII,  
No 6, 1961, pp 10-16.

JPRS 9902

The Dynamics of Tissue Changes During  
Rheumatism, by A. I. Strukov, (NY-6694).  
RUSSIAN, per, Arkhiv Patol, Vol XXIII,  
No 7, 1961, pp 3-19.

\*JPRS

The Comparative Morphology of Various  
Models of Experimental Atherosclerosis  
of the Coronary Arteries, by  
T. A. Sinitsyna, (NY-6694).  
RUSSIAN, per, Arkhiv Patol, Vol XXIII,  
No 7, 1961, pp 51-55.

\*JPRS

Scientific Conference on Problems of  
Hygiene of Children and Adults, by  
A. N. Lapshina, 5 pp.  
RUSSIAN, per, Biologiya v Shkole, No 4,  
Jul/Aug 1961, pp 91, 92.

JPRS 10080

Scientific  
Medicine (Contd)

An Analysis of Some Basic Mechanisms of Immunity, Radiation Sickness and Carcinogenesis From the Point of View of Modern Genetics, by V. P. Efroimson, 30 pp.

RUSSIAN, per, Byul Mosk Obshch Ispytateley Prirody: Otdel Biolog, Vol LXV, No 6, 1960, pp 109-128.

JPRS 8778

Selected Articles From the Russian Periodical Byul Uchenogo Medit Soveta, No 2, Mar/Apr 1961.

JPRS 10082

A. The Status and Tasks of Scientific Research on Emergency Surgery, First Aid in the City and in the Country and Participation of Surgical Chairs and Medical Institutes of the RSFSR in This Work, by S. N. Polikarpov, 6 pp.

B. Experience of the Central Scientific Research Dermatovenereological Institute in the Incorporation of New Treatment Methods Into Practice, by N. M. Turanov, A. A. Studnitsin, 9 pp.

C. Experience in the Organization of Scientific Work of Practising Physicians of Orlovskaya Oblast, by K. A. Trofimov, S. S. Ivanov, 4 pp.

D. The Participation of the Sverdlovsk Scientific Research Institute of Health Resort Science and Physiotherapy in the Development of the Ural Health Resorts, by N. V. Orlov, 5 pp.

E. Some Results of Scientific Work of the Chair of Histology of the Voronezh Medical Institute, by A. A. Voytekevich, 5 pp.

F. Training Plan of Doctors of Sciences in the Higher Medical Educational Institutions and Scientific Research Institutes of the RSFSR in 1961-1970, 6 pp.

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Byul Uchenogo Medit Soveta,  
No 2, Mar/Apr 1961. (Contd)

JPRS 10082

G. Experience in the Work of the  
All-Russian Society of Pediatric Physi-  
cians (1957-1960), by A. F. Tur, 5 pp.

H. Results of the All-Union Rheumato-  
logical Conference, by I. V. Vorob'yev,  
7 pp.

I. At the Collegium of the Ministry of  
Health RSFSR, 7 pp.

J. At the Presidium of the Scientific  
Medical Council of the Ministry of  
Health RSFSR, 12 pp.

K. Annals, 7 pp.

The Development of Speech at an Early  
Age, by G. M. Lyamina, 8 pp.  
RUSSIAN, per, Doshkol'noye Vospitaniye,  
No 9, 1960, pp 59-65.

JPRS 4920

Selected Articles From the Russian  
Periodical Fiziol Zhur, Vol VII, No 2,  
Mar/Apr 1961.

Formation and Development of the  
Mobility of Neural Processes in  
Ontogeny in Dogs, by V. A. Troshikhin,  
L. N. Kozlova, 9 pp, (pp 159-164).

JPRS 9967

Peculiarities of the Course of the  
Excitation Process in Various Parts  
of the Motor Neuron, by P. G. Kostyuk,  
I. P. Semenyutin, 20 pp, (pp 165-176).

JPRS 9968

Changes in the Pneumogram and Electro-  
cardiogram Arising as a Result of the  
Action of Weak Pulse Currents on the  
Brain, by M. D. Stetsenko, 15 pp,  
(pp 187-195).

JPRS 9969



Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Fiziol Zhur, Vol VII, No 2,  
Mar/Apr 1961. (Contd)

Electrophysiological and Histological  
Characteristics of the Joint Capsule  
Receptors, by S. I. Fundel'-Csipova,  
G. L. Yemets, A. V. Burychenko, 16 pp,  
(pp 197-205).

JPRS 9970

Effect of Ultrasound on the Nucleic  
Acid Content in the Tissues of the  
Animal Organism, by M. Yu. Khursin, 8 pp,  
(pp 266-270).

JPRS 9972

Selected Articles From the Russian  
Periodical Gig i San.

Vol XXVI, No 3, 1961, pp 25-31.  
The Effect of Pulsating and Steady  
Noises on the Organism Under Experimental  
Conditions, by O. P. Shepelin, 9 pp.

JPRS 4827

No 5, 1961, pp 33-37.  
Energy Consumption in Boarding-School  
Undergraduates at Pioneer Camps, by  
V. V. Maksimov, 7 pp.

JPRS 10071

Vol XXVI, No 6, 1961.  
Changes in Protein Metabolism From the  
Prolonged Effect of High Temperature,  
by L. A. Dobrovol'skiy, 6 pp, (pp 25-28).

JPRS 10076

The Influence of Angular Displacement  
of a Jolting Nature on the Human Body,  
by V. A. Shabalin, 10 pp, (pp 46-51).

JPRS 10067

Study of the Radioactive Background  
of Aerosols in the Atmospheric Air of  
the City of Frunze, by V. Ye. Sinel'nikov,  
K. M. Veytsman, 5 pp, (pp 91, 92).

JPRS 10068

Topical-Planning Meeting of Directors  
of Institutes of Hygiene of the RSFSR  
and Chairs of Hygiene of the Medical  
Institutes of Moscow, by A. P. Shitskova,  
4 pp. (pp 108-109).

JPRS 10069

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Gig i San. (Contd)

Vol XXVI, No 7, 1961, (NY-6714).

\*JPRS

Comparative Hygienic Evaluation of the  
Standards for Staircase Gradients in  
Dwellings, by G. A. Pronin, (pp 22-28).

Concerning the Effect of Air Ionization  
on the Physical Work Capacity, by  
B. B. Koyranskiy, L. Ya. Ukvol'berg,  
M. V. Dmitriyev, et al, (pp 29-33).

Concerning the Effect of Air Ionization  
on Mental Work Capacity, by  
B. B. Koyranskiy, L. Ya. Ukvol'berg,  
M. V. Dmitriyev, (pp 33-39).

Preliminary Data on Certain Hygienic  
Principles in the Designing of Boarding-  
School Buildings, by A. Ya. Gutkin,  
(pp 45-51).

Thermal Current From Various Parts of the  
Body Surface at Various Temperatures of  
the Surrounding Environment, by  
R. M. Knezhevich, (pp 58-61).

The Heart and Bearings, by V. Volod'kin,  
5 pp.

RUSSIAN, per, Izobretatel' i Ratsionalizator,  
No 12, 1960, pp 13-15.

JPRS 10048

Health to Mankind, 3 pp.

RUSSIAN, per, Izobretatel' i Ratsionalizator,  
No 12, 1960, pp 14-18.

JPRS 10048

Bioelectric Control, 11 pp.

RUSSIAN, per, Izobretatel' i Ratsionalizator,  
No 12, 1960, pp 48-52.

JPRS 10048

Interceptive Reflexes From the Pericardium  
and Pleura to the Circulatory System in  
Ontogenesis, by L. Yel. Pal'gova, 11 pp.  
RUSSIAN, per, Iz Ak Nauk Kazakh SSR,  
Ser Medit i Fiziol, No 1 (13), 1960,  
pp 7-13.

JPRS 9949

Scientific  
Medicine (Contd)

Philosophy and Medicine, by U. Akhmerov,  
5 pp.  
RUSSIAN, Investiya, 28 Jun 1961, p 4.

JPRS 10017

Selected Articles From the Russian  
Periodical Khirurgiya.

Vol XXXVII, No 5, 1961.  
Replacement of Vena Cava Defects, by  
M. G. Sirotkina, 7 pp, (pp 12-15).

JPRS 9907

Hemostatic Properties of Polyglucin,  
by A. A. From, N. Ye. Lagutina,  
A. A. Lipats, 8 pp, (pp 70-75).

JPRS 9908

The Problem of Control of the Suitability  
of Preserved Blood Vessels Keep Under  
Vacuum Conditions, by D. A. Donetskiy,  
4 pp, (pp 113-115).

JPRS 9909

Vol XXXVII, No 7, 1961, (NI-6623).  
Comparative Studies of Electrophoretic  
Changes in Blood Serum Proteins and of  
the Morphological Changes in Hepatic  
Tissue During Inflammatory Processes of  
the Gall Bladder and Bile Ducts, by  
B. S. Kaplanskiy, (pp 3-46).

\*JPRS

The Functional Condition of the Liver  
After the Infusion of Protein Blood  
Substitutes (LSB and MK-8), by  
H. A. Messineva, H. D. Garin,  
Ye. V. Keraseva, (pp 130-132).

(Book Review): "Transplantations and  
Replacements of Tissues and Organs,  
by A. N. Filatov, Yu. V. Boringer,  
G. V. Golovin, et al. (pp 115-117).

Selected Articles From the Russian  
Periodical Klin Med.

Vol XXXIX, No 6, 1961.  
Neuroses in Internal Organs, by  
I. I. Rusetskiy, 6 pp, (pp 7-10).

JPRS 9952

Concerning Increased Sensitivity to Cold,  
by Yu. F. Antsyaplovskiy, 13 pp,  
(pp 136-137).

Best Available Copy.  
JPRS 9953

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Klin Med. (Contd).

Vol XXXIX, No 7, 1961, (SF-1987).  
The Great Event in the Science and History of Mankind -- The First Flight of Man Into Space (Certain Clinico-Physiological Problems Concerning the Flight of Man Into Space), (pp 3-5).

\*JPRS

The Clinical Significance of Electrokymography in the Diagnosis of Tricuspid Stenosis, by Yu. I. Akimov, L. L. Orlov, (pp 110-116).

The Role of Electrokymography in the Diagnosis of Hemodynamic Changes in Pulmonary Circulation During Certain Congenital Diseases of the Heart, by K. A. Kosharko, (pp 117-124).

Certain Achievements in the Study of Human Diseases Caused by Natural Foci of Infection, by P. A. Petrishcheva, 16 pp.  
RUSSIAN, per, Medit Parazitol i Parazitarnyye Bolezni, Vol XXVI, 1957, pp 643-650. 9079287

NIH 7-15-61

Selected Articles From the Russian  
Periodical Medit Prom SSSR.

Vol XV, No 5, 1961.  
Current Anesthetization and the Tasks of the Medical Industry, by I. S. Zhorov, 14 pp, (pp 3-14).

JPRS 4881

Anesthesiological Apparatuses, by Yu. F. Kabatov, A. S. Perel'mutr, 5 pp, (pp 30-34).

Vol XV, No 7, 1961, (NY-6721).  
The Present Status and Future Prospects in the Field of Medicinal Preparations for the Treatment of Cardiovascular Diseases, by G. N. Pershin, (pp 3-10).

\*JPRS

Diosponin -- A New Drug, for the Treatment of Atherosclerosis Patients, by L. N. Sokolova, V. I. Kichenko, B. K. Rostotskiy, et al, (pp 43-45).

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Medit Prom SSSR. (Contd)

Vol XV, No 7, 1961, (NY-6721).  
A Device for Tele-Electrocardiography,  
by T. Ye. Timofeyeva, (pp 46-50).

\*JPRS

Electrostimulator of the Heart  
[Apparatus] ES-1, by B. N. Rostovtsev,  
L. I. Kovaleva, N. S. Dzhevadyan,  
(pp 50-53).

A Luminescent Photodiagnoscope, by  
L. A. Schmidt, (pp 55-58).

A Valuable Diagnostic Indicator, by  
R. Petrov, Ye. Kabalov, 4 pp.  
RUSSIAN, per, Medit Rabot, No 47,  
Jun 1961.

JPRS 9801

Just What Is Telepathy?, by Ye. T. Faddeyev,  
17 pp.  
RUSSIAN, per, Nauka i Zhizn', No 6, 1961,  
pp 60-63.

JPRS 10016

Searches and Discoveries, by G. G. Karavanov,  
6 pp.  
RUSSIAN, per, Nauka i Zhyttya, No 1, 1961,  
pp 10-12.

JPRS 10013

The Biotron Restores the Sick, by  
D. I. Panchenko, 10 pp.  
RUSSIAN, per, Nauka i Zhyttya, No 1, 1961,  
pp 35-38.

JPRS 10014

Selected Articles From the Russian  
Periodical Novyy Khir Arkh.

No 5(233), 1961.  
The Present Status of Emergency Surgery  
in the UkSSR and the Measures for Its  
Improvement, by D. F. Skripnichenko,  
14 pp, (pp 3-11).

JPRS 9903

The Most Important Problems in Cardiac  
Surgery, by N. M. Amosov, 14 pp, (pp 11-19).

JPRS 9904

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Novyy Khir Arkh. (Contd)

No 5 (233), 1961.

Experimental Alloplastic Repair of Small  
Arterial and Venous Vessels, by  
N. I. Putilin, V. P. Dzbanovskiy, 10 pp,  
(pp 31-36).

JPRS 9905

Vol XL, No 6, 1961.

Experience in the Use of Myorelexants for  
Operations for Pulmonary Tuberculosis,  
by G. D. Monchenko, 4 pp, (pp 35-38).

JPRS 4958

Cardiac Arrest During Anesthesia for  
Patients With Burns, by M. Ya. Mausevich,  
Z. I. Yemel'yanova, B. S. Vikhriyev,  
5 pp, (pp 38-41).

Selected Articles From the Russian  
Periodical Patol Fiziol i Eksper  
Terapiya.

Vol III, No 2, 1959, pp 74-80. 9079290  
Blastomogenic Action of Macro-Molecular  
Compounds (of the Plastics Group), by  
A. Kh. Kogan.

NIH 7-16-61

Vol V, No 4, Jul/Aug 1961, (NY-6695).  
Changes in Electroencephalogram and in  
the Reactivity of the Brain Under Condi-  
tions of Hypercapnia, by I. S. Repin,  
(pp 20-26).

\*JPRS

Concerning Gas Composition of Vesicles  
in High Altitude Tissue Emphysema, by  
Ye. A. Kovalenko, Yu. I. Yurkov,  
(pp 26-29).

The Significance of Changes in Pulmonary  
Ventilation and Circulation During the  
Onset of the Hypoxie Phenomena, by  
A. M. Kulik, N. V. Sanotskaya, (pp 30-33).

The Effect of Experimental Hypoxia on  
the Permeability of Certain Biological  
Barriers of an Organism With Regard to  
Radioactive Phosphorus, by T. M. Tupikova,  
(pp 39-43).

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Patol Fiziol i Eksper  
Terapiya. (Contd)

Vol V, No 4, Jul/Aug 1961, (NY-6695).  
Gas Exchange in Rats of Various Ages  
and Under the Effect of Overchilling,  
by N. A. Isichenko, V. P. Al'khimenyuk,  
(pp 47-49).

\*JPRS

Changes in the Value of the Maximum Per-  
missible Nitrogen Oversaturation of an  
Organism, in Repeated Experiments, by  
V. A. Aver'yanov, P. M. Gramenitskiy,  
A. A. Savich, (pp 50-52).

An Electrocardiographic Study of the  
Injured Rat Heart During the Stimulation  
of the Regenerative Process by Means of  
Certain Bio-Preparations, by  
N. A. Muzlayeva, (pp 60-63).

Toxicity, to Paramecium, of the Plasma  
of Healthy and Irradiated Rats Subjected  
to Burns, Trauma, and Starvation, by  
G. A. K. Szhafarov, (pp 70-71).

Methods for Studying the Volume Velocity  
of Coronary Circulation, and Cardiac  
Oxygen Requirement and Work, by  
I. Ye. Kisin, (pp 72-77).

Experimental Modeling of Rheumatism  
and of Other Forms of Collagenosis,  
by M. I. Undritsov, V. B. Rozen, (pp 80-85).

Report on a Conference on the Problem of  
Adaptation, Training, and Other Methods  
of Increasing the Resistance of an Organism,  
by V. M. Matoshin, (pp 86-87).

The Present Status of Cardiovascular Pathology  
in Children, by A. B. Volovik, (NY-6727).  
RUSSIAN, per, Pediatrica, Vol XL, No 8,  
1961, pp 3-6.

\*JPRS

Scientific  
Medicine (Contd)

The Incidence of Rheumatism Among School Age Children, by B. G. Leytes, (NY-6727).  
RUSSIAN, per, Pediatrics, Vol XL, No 3, 1961, pp 11-15.

\*JPRS

The Historic Achievement, by M. V. Keldysh, (NY-6700).  
RUSSIAN, per, Priroda, Vol XV, No 7, 1961, pp 3-4.

\*JPRS

The Universe and Life, by A. I. Oparin, (NY-6702).  
RUSSIAN, per, Priroda, Vol XV, No 7, 1961, pp 5-12.

\*JPRS

Longevity, by V. V. Alpatov, (NY-6702).  
RUSSIAN, per, Priroda, Vol XV, No 7, 1961, pp 40-44.

\*JPRS

The Problem of Preparation of a Leucocytic Mass (1), by S. N. Allaverdyan, M. I. Balasanyan, E. A. Gasparyan, 8 pp.  
RUSSIAN, per, Problemy Gematol i Perelivaniya Krovi, Vol VI, No 5, 1961, pp 44-47.

JPRS 9948

Concerning the Problems of Functional Asymmetry in Symmetrical Centers of the Brain, by V. M. Mosidze, 6 pp.  
RUSSIAN, per, Soobshcheniya Ak Nauk Gruz SSR, Vol XXV, No 1, Jul 1961, pp 75-78.

JPRS 10128

Choriocarcinoma of the Uterus, by A. B. Mandel'shtam, 20 pp.  
RUSSIAN, per, Sovet Med, Vol XXIII, 1959, pp 54-62. 9079289

NIH 7-17-61

Electrokymography (Survey of Literature With an Analysis of Pertinent Data), by Yu. I. Akimov, L. L. Orlov, (NY-6703).  
RUSSIAN, per, Sovet Med, Vol XXV, No 7, 1961, pp 8-19.

\*JPRS

Concerning the Problem of Recovery Following Anthrax Infection of the Intestine, by V. N. Lebedev, (SF-1991).  
RUSSIAN, per, Sovet Med, Vol XXV, No 7, 1961, pp 134-138.

\*JPRS



Scientific  
Medicine (Contd)

Organization of Scientific-Practical Assistance to Public Health Organizations and Establishments by the Institute for the Advanced Training of Physicians, by N. V. Sibirkin, B. D. Petrakov, 9 pp. RUSSIAN, per, Sovet Zdravookhraneniya, Vol XIX, No 7, 1960, pp 14-19.

JPRS 4860

Manufacture of Protein Fodder Concentrates, Antibiotic, and Vitamins From Wastes of the Alcohol Industry, by Ya. P. Skripnik, I. M. Lerner, A. V. Konkin, et al, 11 pp. RUSSIAN, per, Spirtovalaya Promyshlennost', No 4, 1961, pp 21-25.

JPRS 10051

Research on the Effects of Certain Medicinal Plants and Materials Upon *Sarcina Lutea* With a View to Their Use as Carcinolytics, by P. Nikolov, 8 pp. RUSSIAN, per, Suvremennaya Meditsina, Vol IX, No 4, 1959, pp 3-9. 9079288

NIH 7-19-61

Concerning the Efficacy of Bilateral Ligation of the Internal Mammary Artery in Chronic Coronary Insufficiency, by L. B. Shineilovich, 5 pp. RUSSIAN, per, Terapev Arkhiv, Vol XXXIII, No 5, 1961, pp 7-11.

JPRS 4942

More on "Malignant Hypertension" (An Answer to the Opponent), by N. I. Guseva, 3 pp. RUSSIAN, per, Terapev Arkhiv, Vol XXXIII, No 5, 1961, pp 105-107.

JPRS 4942

The Use of a New Physical Method of Interference Impulse Treatment at the Clinic for Internal Diseases, by P. I. Yegorov, Yu. I. Bogin, (NY-6690). RUSSIAN, per, Terapev Arkhiv, Vol XXXIII, No 6, 1961, pp 28-32.

\*JPRS

Georgian Scientific-Research Institute of Animal Husbandry and Veterinary Medicine, by L. Vadachkoriya. RUSSIAN, per, Trudy Vses Inst Eksper Vet, Vol XXIII, 1959, pp 252-253.

\*USDA

Scientific  
Medicine (Contd)

Results of the Studies Concerning Infectious Swine Diseases During the 40 Years of the Existence of the Soviet Regime, by P. S. Solomkin.  
RUSSIAN, per, Trudy Vses Inst Eksper Vet, Vol XXIII, 1959, pp 282-294.

\*USDA

Some Problems of Securing Vital Living Conditions in Space Flight (Nutrition, Water Supply, Air Regeneration, Sanitation), by A. A. Gyurdzhian, 15 pp.  
RUSSIAN, per, Uspekhi Sovrem Biol, Vol LI, No 1, 1961, pp 74-83.

JPRS 10008

Biochemical Functions of Cell Structures, by N. M. Sisakyan, 30 pp.  
RUSSIAN, per, Uspekhi Sovrem Biol, Vol LI, No 2, Mar/Apr 1961, pp 129-152.

JPRS 4878

The Problem of Conditioned Reflex Regulation of Immuno-Biological Reactions, by V. I. Luk'yanenko, 25 pp.  
RUSSIAN, per, Uspekhi Sovrem Biol, Vol LI, 1961, pp 170-187.

JPRS 4901

Pressing Problems of Cardio-Vascular Pathology (12th Scientific Session of the Institute of Therapy of the Academy of Medical Sciences USSR), by I. K. Shkhvatsabaya, 11 pp.  
RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XVI, No 6, 1961, pp 82-87.

JPRS 4953

The Use of Ultraviolet Rays in the Prophylaxis of Air-Droplet Infections, by N. M. Dantsig, V. V. Vlodavets, N. B. Krichagina, (NY-6715).  
RUSSIAN, per, Vest Ak Meditsinskikh Nauk SSSR, Vol XVI, No 7, 1961, pp 13-20.

\*JPRS

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Vest Khirurgii, Vol LXXXVII,  
No 7, 1961, (NY-6723).

\*JPRS

Experience Gained in the Replacement of  
Vascular Defects by Prostheses Prepared  
From the Combined Auto-Alloplastic and  
Porous Alloplastic Materials, by  
Bartosh Gabor, Seleshi Laslo, Karmosh  
Viktor, et al, (pp 10-14).

Alloplasty of the Aortic Arch Segment  
With the Ostium and Trunk Portion of the  
Left Subclavian Artery, by M. N. Anichkov,  
F. V. Balyuzek, M. I. Burmistrov, et al,  
(pp 15-18).

Platelet Count in Cancer Diagnosis, by  
A. F. Krivoshchskiy, (pp 30-34).

Concerning the Use of Nitrous Oxide  
Anesthesia, by P. K. D'yachenko,  
(pp 90-97).

A Small Portable Cardiac Electrostimulator,  
by Yu. I. Bredikis, P. P. Kazakevichus,  
(pp 110-111).

New Plastic Packaging for the Storage  
of Preserved Homotransplants, by  
N. G. Kartashevskiy, G. I. Barkov,  
I. G. Fedorova, et al, (pp 112-115).

Selected Articles From the Russian  
Periodical Veterinariya.

Vol XXXVIII, No 3, 1961, pp 15, 16.  
About the Organization of a State  
Veterinary Control of the Fishery  
Reservoirs of the USSR, by E. M. Belov.

\*USDA

Vol XXXVIII, No 5, 1961.  
Diagnosis of Echinokhasmosis, a New  
Swine Disease, by G. V. Sosipatrov,  
(pp 36-39).

\*USDA

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Veterinariya. (Contd)

Vol XXXVIII, No 5, 1961.

\*USDA

A New Method for Infesting Sheep Artificially With *Listeria*, by A. A. Annag'yev, (p 43).

Vol XXXVIII, No 6, 1961.

\*USDA

Problem of Active Prophylaxis of Virus Diseases of Animals and Ways For Its Solution, by V. N. Syurin, (pp 36-42).

Gamma Globulin in Experimental Anthrax Infection, by L. E. Khundanov, E. D. Shkurko, A. P. Devyatova, (pp 45, 46).

New Data on Avian Tuberculosis; According to Data in Transactions of Veterinary Universities and Scientific-Research Establishments, as Well as Dissertations for the Years 1959 and 1960, by T. S. Suntseva, (pp 48-52).

Experimental Model for Studies of Vaccine Strains of *Brucella*, by N. I. Braude, (pp 83, 84).

Cyto- and Myeloarchitectonic Peculiarities of Motor Area Fields in the Postnatal Ontogenesis of Man, by M. S. Voyno, (NY-6728). RUSSIAN, per, Voprosy Antropol. No 3, 1960, pp 12-32.

\*JPRS

Factor Analysis in Anthropology, by V. P. Chtetsov, (NY-6728). RUSSIAN, per, Voprosy Antropol. No 3, 1960, pp 106-111.

\*JPRS

Textbook on Anthropology in a Systematic Presentation Based on von Rudolf Martin's Work, by R. Martin, K. Saller, (NY-6728). RUSSIAN, per, Voprosy Antropol. No 3, 1960, pp 155-158.

\*JPRS

Scientific  
Medicine (Contd)

The Application of Mathematics in  
Biology and Medicine, by V. Sekhlyanu,  
17 pp.  
RUSSIAN, per, Voprosy Filosofii, Vol XIV,  
No 10, 1960, pp 100-109.

JPRS 9996

Problems of Health Resort Science, Radon  
Therapy and Hydroaeroionization in the  
USSR, by V. V. Poltoranov, F. L. Leytes,  
et al, 20 pp.

RUSSIAN, per, Voprosy Kurort Fizioter i  
Lech Fiz Kul'tury, No 3, May/Jun 1961,  
pp 276-277, 277-280, 280-285.

JPRS 10011

The Activity of Certain Glycolytic Enzymes  
in the Blood of People Affected With Cancer,  
by V. P. Korotkoruchko, P. D. Dvornikova,  
I. N. Ishchenko, (SF-1988).

RUSSIAN, per, Voprosy Med Khim, Vol VII,  
No 3, May/Jun 1961, pp 273-275.

\*JPRS

Protein Changes in the Crystalline Lends  
During Experimentally-Induced Radiation  
Cataract, by K. F. Firfarova, Ye. M.  
Kedrova, (SF-1988).

RUSSIAN, per, Voprosy Med Khim, Vol VII,  
No 3, May/Jun 1961, pp 285-291.

\*JPRS

A Conference Devoted to the Chemistry and  
Biochemistry of Blood Plasma Proteins, by  
V. Z. Gorkin, (SF-1988).

RUSSIAN, per, Voprosy Med Khim, Vol VII,  
No 3, May/Jun 1961, pp 329-332.

\*JPRS

Selected Articles From the Russian  
Periodical Voprosy Patolog Rechi,  
Vol XXXII, No 81, 195.

Electromyographic Study of Concealed  
Articulation in the Process of Thinking,  
by A. N. Sokolov, 6 pp, (pp 34-37).

079704

NIH 7-31-61

Local Diagnostic Characteristics of  
Dysarthria and Dysphonia in the Neuro-  
logical Clinic, by L. V. Litvak, 9 pp,  
(pp 59-65).

NIH 7-26-61

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Voprosy Patolog Rechi,  
Vol XXXII, No 81, 1959. (Contd)

Clinical Variants of Aphasia, by  
R. A. Golubova, 9 pp, (pp 66-71).

NIH 7-30-61

Methods of Neurophysiological Study of  
Alalia and Aphasia, by N. N. Traugott,  
8 pp, (pp 72-77).

NIH 7-27-61

Problems of Restorative Therapy for  
Adult Aphasiacs, by E. S. Bein, 9 pp,  
(pp 78-84). 9079702

NIH 7-34-61

A Method and Certain Results of Experi-  
mental Phonetic Study of Speech Dis-  
orders, by I. M. Tonkonogiy, 6 pp,  
(pp 94-97).

NIH 7-33-61

The Use of Aerosol Disinfection by Means  
of Compressor, by V. S. Odintsov, 6 pp.  
RUSSIAN, per, Vses S'yezd Gigiyenistov,  
Epidemiologov, Mikrobiologov i Infektsionistov,  
Vol I, 1959, pp 218-220.

JPRS 9955

Primary Intestinal Form of Anthrax, by  
E. N. Shliakov, et al.  
RUSSIAN, per, Zdravookhraneniye, Vol IV,  
No 1, Jan/Feb 1961, pp 58, 59.

\*USDA

Some Organizational Problems in Medical  
Aviation, by B. M. Dolgonos, 6 pp.  
RUSSIAN, per, Zdravookhraneniye, No 2,  
Mar-Apr 1961, pp 13-16.

JPRS 9938

News on Medical Conferences in the Moldavian  
SSR, 9 pp.  
RUSSIAN, per, Zdravookhraneniye, No 2,  
Mar/Apr 1961, pp 61-64.

JPRS 10043

Study of the Reactogenicity and Immuno-  
logical Effectiveness of Subcutaneous,  
Cutaneous, and Aerogenic Immunization of  
Human Subjects With a Live Stx Anthrax  
Vaccine, by E. N. Shlyakhov, N. N. Yezhov,  
Ye. V. Gruz, 8 pp.  
RUSSIAN, per, Zdravookhraneniye, Vol III,  
No 4, Jul/Aug 1960, pp 44-48.

JPRS 9951

Scientific  
Medicine (Contd)

Lipoproteins and Protein Fractions of the Blood of Hypertensive Disease Patients, by N. S. Lebed', 5 pp.  
RUSSIAN, per, Zdravookhraneniye Belorussii, Vol VII, No 6, 1961, pp 28-32.

JPRS 10009

Concerning the Problem of the Alloplasty of the Esophagus, by G. F. Los', (NY-6704).  
RUSSIAN, per, Zdravookhraneniye Belorussii, Vol VII, No 7, 1961, pp 25-27.

\*JPRS

On Activity of the Society of Surgeons of Kazakhstan in 1960, by G. K. Tkachenko, 4 pp.  
RUSSIAN, per, Zdravookhraneniye Kazakhstana, No 5, 1961, pp 78-79.

JPRS 10007

Selected Articles From the Russian Periodical Zhur Mikrobiol Epidemiol i Immunobiol, No 7, 1961.

\*USDA

The Present Status and Future Prospects Facing the Control of Infectious Diseases in Kazakhstan, by K. A. Makirov, I. K. Karakulov, (pp 12-19).

Aerosol Immunization With Dry Living Vaccines and Toxoids. Communication VI: Studies of the Post-Vaccinal Reaction and Immunological Efficacy of Aerosol Immunization With Pulverized Vaccines (Brucellosis, Tularemia, Anthrax and Plague) in Man, by N. I. Aleksandrov, et al, (pp 56-62).

Experimental Study of Immunogenic Properties of Associated Anaerobic Anatoxins. Communication II. Studies of Immunologic Efficacy of Sextatoxoid in Remote Reimmunization, by G. V. Vygodchikov, et al, (pp 74-77).

Comparative Studies of the Efficacy of Antibiotics and v-Globulin in Experimental Melioidosis Infection, by L. E. Khundanov, et al, (pp 114-117).

Scientific  
Medicine (Contd)

Selected Articles From the Russian  
Periodical Zhur Mikrobiol Epidemiol i  
Immunobiol, No 7, 1961. (Contd)

\*USDA

Combined Infection With Q-Rickettsiosis  
and Brucellosis in Cattle, by G. R. Gazizova,  
P. A. Sergeyeva, (pp 117-123).

A Case of Botulism Caused by the Type  
E Clostridium Botulinum, by Yu. I. Donets,  
(pp 137-139).

High Frequency Currents in Treating Polio-  
myelitis in Adults, by M. M. Anikin,  
M. V. Rummyantseva-Russkikh, (NY-6716).  
RUSSIAN, per, Zhur Nevropatologii i Psikhiiatrii  
imeni S. S. Korsakova, Vol LXI, No 8, 1961,  
pp 1122-1128.

\*JPRS



Scientific  
Medicine (Contd)

Selected Articles From the Chinese Book  
Ch'ing-chu Chien-kuo Shis-chou-nien I-hsueh  
K'o-hsueh Ch'eng-chiu Lun-wen Chi, Vol I. 1959.

- |   |           |
|---|-----------|
| Theories of Yin-Yang and Wu-hsing and Their Application in Chinese Traditional Medicine, 15 pp, (pp 298-305).         | JPRS 4865 |
| A Basic Principle in Chinese Medicine, 25 pp, (pp 305-311).   | JPRS 4816 |
| Glossoscopy in Chinese Traditional Medicine, 9 pp, (pp 315-319).  | JPRS 4851 |
| Achievements in Chinese Traditional Medical Treatment of Schistosomiasis, 16 pp, (pp 319-326).                        | JPRS 4880 |
| Chinese Traditional Medical Achievements in Treatment of Malaria, 7 pp, (pp 326-330).                                 | JPRS 4880 |
| Chinese Traditional Medical Achievements in Treatment of Measles, 7 pp, (pp 330-334).                                 | JPRS 4903 |
| Chinese Traditional Medical Achievements in Treatment of Japanese B-Encephalitis, 10 pp, (pp 334-338).                | JPRS 4903 |
| Traditional Medical Achievements in Treatment of Dysentery, 14 pp, (pp 339-345).                                      | JPRS 4903 |
| Traditional Medical Research on Treatment of Influenza, 8 pp, (pp 345-349).   | JPRS 4927 |
| Traditional Medical Research on Treatment of Infectious Hepatitis, 8 pp, (pp 349-353).                                | JPRS 4927 |
| Traditional Medical Research on Treatment of Fissurated Ulcer of Cervix Uteri, by Chang Hsi-yueh, 9 pp, (pp 353-357). | JPRS 4927 |
| Traditional Medical Research on Treatment of Hemorrhoids and Anal Fistulae, 6 pp, (pp 357-360).                       | JPRS 4927 |
| Traditional Medical Research on Treatment of Bone Fractures and Dislocated Joints, 8 pp, (pp 360-365).                | JPRS 4927 |

Scientific  
Medicine (Contd)

Selected Articles From the Chinese Periodical,  
Wei-sheng-wu Hsueh-pao, Vol VII, No 3, Nov 1959.

JPRS 7838

The Influence of Medium Constituents on the  
Penicillin V Production, by R. K. Yu,  
M. F. Sze, Y. F. Wang, et al, 12 pp,  
(pp 145-150).

Studies on Oxytetracycline Fermentation  
by *Streptomyces Rimosus* T-1001, by  
Fan Ch'eng-tien, Chang Wei-shen, 17 pp,  
(pp 151-158).

The Influence of Lactic Acid on Terramycin  
Production During the Course of Fermentation  
of *Streptomyces Rimosus* 8229\*, by Liu Jo-ying,  
Tung Hsiu-ying, Chen Hsiao-heng, 12 pp,  
(pp 159-163).

Studies on the Purification of the Japanese  
B Encephalitis Virus I. Influence of pH on  
the Infectivity of the Virus ---- The pH  
Elution Curves and the Isoelectric Point of  
the Virus, by Liu Yuan-yuan, Chang Han-ching,  
Chang Chi-hsiang, et al, 5 pp, (pp 164-166).

Studies on the Purification of the Japanese  
B Encephalitis Virus II. Purification of  
the Virus From Mouse Brain by Means of the  
Combined Action of Certain Salts and  
Adsorbing Substances, by Liu Yuan-yuan,  
Chang Han-ching, Chang Lee-pee, et al,  
16 pp, (pp 167-174).

Influence of the Multiplication of the Japanese  
B Type Encephalitis Virus on the Activity of  
Xanthine Oxidase of the Host Tissues, by  
Liu Yuan-yuan, Hou Yun-te, 18 pp, (pp 175-182).

Growth of Japanese B Encephalitis Virus In  
Simple Tissue Culture, by Li Ho-ming,  
Yu Yung-shing, 12 pp, (pp 183-188).

Isolation of *Salmonella Typhi-Murium* From  
*Periplaneta Americana*, by Shih P'eng-ta,  
5 pp, (pp 223-225).

Scientific  
Medicine (Contd)

Selected Articles From the Chinese Periodical  
Wei-sheng-wu Hsueh-pao, Vol VII, No 3, 1959. (Contd) JPRS 7838

Acquired Resistance of Shigella Strains  
Against Berberis Extract, by Sun Hsien-jun,  
7 pp, (pp 241-245).

Studies on the Modified Bile-Salts Neutral  
Red Medium and the Mode of Action of Some  
Inhibitory Agents, by Yu Yung-ch'uan,  
Chang K'uan-hou, 12 pp, (pp 245-250).

Investigation of Dysentery Immunization  
Mechanism -- I. The Action of Immune  
Rabbit Serum of Shigella Shiga, by  
T'ung Ching-ya, 22 pp, (pp 251-259).

Two Strains of Escherichia Coli (57-139 &  
57-240) Having Antigenic Structure Identical  
With Shigella Flexneri Type 4, by  
T'an Hung-hai, 6 pp, (pp 260-262).

Studies on the Biological Characteristics of  
Specific Phase Strains of Salmonella Cholera-  
Suis Isolated in Kweiyang, by Liao Tzu-che,  
8 pp, (pp 264-267).

Serotyping of 621 Strains of Shigella  
Isolated in Tsinan, by Wang Chia-ying,  
Ssu-t'u Wang, Chang Fang-yi, 10 pp,  
(pp 268-272).

Yugoslav Report on Experiences in the Treatment  
of Chronic Mental Patients With Diethylamide of  
Lysergic Acid (LSD-25), by D. Jovanovic,  
B. Kandic, T. Kronja, 14 pp.  
CROATIAN, per, Vojnosanitetski Pregled,  
Vol XVII, No 3, 1960, pp 251-256.

JPRS 10103

Experimental Contribution to the Treatment  
of Parkinson's Disease, by B. Boskovic,  
P. Stern, 4 pp.  
CROATIAN, per, Vojnosanitetski Pregled,  
Vol XVII, No 9, Sep 1960, pp 909-910.

JPRS 10104

Scientific  
Medicine (Contd)

Methods of Investigating Radioactivity in Food, by M. Kruparova, A. Wolf, 3 pp.  
CZECH, per, Ceskoslovenska Hygiena, Vol VI, No 2-3, 1961, pp 129-131.

JPRS 4858

Acute Toxicity of the Food Additive Alkannin, by L. Majlathova, A. Szokolay, 4 pp.  
CZECH, per, Ceskoslovenska Hygiena, Vol VI, No 2-3, 1961, pp 132-134.

JPRS 4858

Amperometric Estimation of Chlorides in Meat of Animals Treated With Bovinol and Antrix, by A. Pasek, J. Marhoulova, V. Jedlicka, 7 pp.  
CZECH, per, Ceskoslovenska Hygiena, Vol VI, No 2-3, 1961, pp 144-148.

JPRS 4858

Experimental Contribution to the Problem of Some Phytoncides, by St. Hruby. L. Pelech, 4 pp.  
CZECH, per, Ceskoslovenska Hygiena, Vol VI, No 2-3, 1961, pp 162-166.

JPRS 4858

Comments on the Vaccination Technique Against Tuberculosis, by Z. Nejedly, J. Galliova, 5 pp.  
CZECH, per, Ceskoslovenska Pediatrie, Vol XVI, No 1, 1961, pp 54-57.

JPRS 10087

The Exceptionally Low Incidence of Poliomyelitis in Czechoslovakia in 1960, by V. Skrovanek, 3 pp.  
CZECH, per, Ceskoslovenska Pediatrie, Vol XVI, No 1, 1961, pp 68, 69.

JPRS 10087

Directives on Control of Narcotics, (NY-6730).  
CZECH, per, Vestník Ministerstva Zdravotnictví, Vol IX, No 14-15, 25 Jul 1961, pp 150-158.

\*JPRS

Directives on Quality Control of Medicines, (NY-6730).  
CZECH, per, Vestník Ministerstva Zdravotnictví, Vol IX, No 16, 25 Aug 1961, pp 169-174.

\*JPRS

Typical and Atypical Degeneration of the Retina in Families, by K. T. A. Halbertsma.  
DUTCH, per, Nederlandsch Tijdschrift voor Geneeskunde, Vol LXXII, 1928, pp 5205-5220.

\*AERE, Harwell  
Tr No 1491

Scientific  
Medicine (Contd)

Total Thymectomy in the Newborn Mouse, by  
W. Dischler, G. Rudali, 9 pp.  
FRENCH, per, Revue Francaise d'Etudes  
Cliniques Biologiques, Vol VI, No 1, 1961,  
pp 88-92.

NIH 7-14-61

The Anticonvulsive Action of Succinimides,  
by R. Vossen, 12 pp.  
GERMAN, per, Deutsch Med Wochenschrift,  
Vol LXXXIII, No 29, 1958, pp 1227-1230.

NIH 7-7-61

Innate Behavior Patterns of Young Kittens,  
by H. F. R. Prechtl, 4 pp.  
GERMAN, per, Experientia, Vol VIII, 1952,  
pp 220, 221.

NIH 7-12-61

The Relations Between Mother Animal and  
Baby in Small Mammals, by H. Kahmann,  
O. V. Frisch, 5 pp.  
GERMAN, per, Experientia, Vol VIII, 1952,  
pp 221-223.

NIH 7-5-61

Investigations on the Determination of the  
Integral Dose in X-Ray Diagnostics, by  
E. Zieler, 31 pp.  
GERMAN, per, Fortschritte Gebiete Rontgen-  
strahlen und Nuklearmed, Vol XCIV, 1961,  
pp 248-260.

AERE, Harwell  
NP Tr-684

The Various Kinds of Color Changes in Azo Dyes.  
A Contribution to Metachromasia, by H. Scholl,  
I. Bennhold, P. B. Diezel, 22 pp.  
GERMAN, per, Histochemie, Vol I, 1959,  
pp 315-330.

NIH 7-25-61

Coronal Blood Stimulation and Hypoxia, by  
A. Allella.  
GERMAN, per, Pflugers Archiv fuer die  
Gesamte Physiologie, Vol CCLXI, 1955,  
pp 373-384.

\*FTD TT 61-82

Cell Functions and Change of Cell Function in  
the Development of Dictyostelium Discoideum.  
I. Cell Agglutination and Induction of  
Sporophore Polarity, by Gunther Gerlach,  
32 pp.  
GERMAN, per, Boux' Arch Entwicklungsmechanik,  
Vol CLII, 1960, pp 632-654.

NIH 7-3-61

Scientific  
Medicine (Contd)

Cytologic and Enzyme Cytochemical Investigations About the Cell Surface of Cells Cultivated in Vitro, by A. Gropp, H. R. Hellweg, 17 pp.

GERMAN, per, Z. fuer Zellforschung, Vol L, 1959, pp 315-331.

NIH 7-23-61

Investigations on the So-Called Substantia Gelatinosa (Glycogenic Substances) of the Lumbosacral Cord of Birds, by Tullio Terni, 32 pp.

ITALIAN, per, Arch Italaliano Anat Embriol, Vol XXI, 1924, pp 55-86.

NIH 7-4-61

The Formation of a Complex Is Not the Cause of the Antitubocurarinic Effect of Congo Red in Vivo, by G. Sangiorgi, 6 pp.

ITALIAN, per, Archivio Italiano di Scienze Farmacologiche, Vol IX, 1959, pp 56-60.

NIH 7-18-61

Studies on Isohemagglutination. Note III., by V. Grifoni, L. Cantoni, R. Cavaliere, 18 pp.

ITALIAN, per, Boll Ist Spec Med, Vol XXXIII, No 11-12, 1954, pp 612-614.

NIH 7-20-61

Excitability and Spontaneous Movements in the Chick Embryo From the 4th to the 8th Day of Incubation. I, by Montalcini, Rita Levi, Fabio Visintini, 4 pp.

ITALIAN, per, Boll Soc Ital Biol Sper, Vol XIII, No 10, 1938, pp 976-978.

NIH 7-8-61

Action of Curare, Strychnine, Eserine and Acetylcholine on the Transmission of the Influence in the Chick Embryo From the 4th to the 8th Day of Incubation. II, by Montalcini, R. Levi, F. Visintini, 4 pp.

ITALIAN, per, Boll Soc Ital Biol Sper, Vol XIII, No 10, 1938, pp 979-981.

NIH 7-9-61

Partial Lesions of the Nerve Centers in the Chick Embryo From the End of the 4th to the 8th Day of Incubation, III., by Montalcini, Rita Levi, Fabio Visintini, 4 pp.

ITALIAN, per, Boll Soc Ital Biol Sper, Vol XIII, No 10, 1938, pp 981-983.

NIH 7-10-61

Scientific  
Medicine (Contd)

The First Nerve Tracts Demonstrable With Neurofibrillar Methods in the Chick Embryo at the Time of the First Movements. IV., by Montalcini, R. Levi, F. Visintini, 3 pp. ITALIAN, per, Boll Soc Ital Biol Sper, Vol XIII, No 10, 1938, pp 983-985.

NIH 7-11-61

The Pathological Alterations of the Lung in Plasmocytoma, With Special Consideration of the Radiological Picture, by B. Birarelli, F. Sestili, 22 pp. ITALIAN, per, Minerva Med, Vol LI, No 43, 30 May 1960, pp 2013-2023.

NIH 7-21-61

New Physio-Pharmaco Logical Treatment of Cancer of the Prostate Gland, by O. Ferulano, F. Petrarola, 14 pp. ITALIAN, per, Minerva Medica, Vol LI, No 85, 1960, pp 3586-3591.

NIH 7-6-61

Studies on the Constituents of Umbelliferae Plants. On the Components of Heracleum Lanatum Var. Asiaticum Hara, by H. Mitsuhashi, T. Nomura, U. Nagai, 8 pp. JAPANESE, per, Yakugaku Zasshi, Vol LXXXI, No 3, 1961, pp 464-467.

NIH 7-1-61

Emergency Food Ration for the Rescue of Shipwreckers, by Darcy de Souza, 5 pp. PORTUGUESE, per, Revista de Intendencia, Vol LXXXVIII, No 30, Jul/Aug 1956.

ONIA 003/b-D

Data on Ornithosis Infection in the Irradiated and Non-Irradiated White Rat, by I. Berloga, I. Strati, S. Schoenfeld, 6 pp. ROMANIAN, per, Acad Rep Populare Romine Inst Inframicrobiol, Studii Cercetari Inframicrobiol Microbiol Parazitol, Vol XI, 1960, pp 111-115.

AEC NP-Tr-579

Treatment of Wounded in Inhabited Places - Accommodation and Treatment, by Dr. A. Mezie, 17 pp. SERBIAN, per, Vojnosanitetski Pregled, Vol XV, No 3, 1958, pp 202-208.

ACSI H-6357  
ID 2146496

Scientific  
Medicine (Contd)

Food Poisoning Infection of the Sources  
of Provisions, by G. T. Krantz.

SWEDISH, per, Tidskrift Militar Halvaevard,  
Vol LXXXI, No 4, 1956, pp 249, 250.

\*ACSI H-9870  
ID 2174772

Third Ukrainian Scientific Conference of Par-  
asitologists, by L. P. Pogrebnik, 5 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrayins'koyi  
RSR, No 2, 1961, pp 256-258.

JPRS 9875



Scientific  
Minerals/Metals

Tantalum and Niobium, by G. V. Samsonov,  
V. I. Konstantinov.  
RUSSIAN, bk, 1960.

FTD MCL-656/I

Selected Articles From the Russian Book  
Metallurgiya SSSR (1917-1957).

OTS 60-51188  
PL-480

Vol I, Part I, 1958.  
Ferrous Metallurgy of the USSR During  
the Years of Soviet Rule, by I. P. Bardin,  
V. V. Rikman, 31 pp, (pp 9-32).

Preparation of Raw Materials for Blast-  
Furnace Production, by A. B. Patkovskiy,  
37 pp, (pp 33-60).

The Coke-Chemical Industry of the USSR,  
by S. S. Dvorin, 32 pp, (pp 61-85).

Development of the Science of Blast-  
Furnace Production in the USSR, by  
L. M. Tsylev, N. K. Leonidov, 38 pp,  
(pp 86-114).

Basic Trends for Increasing the Efficiency  
of the Blast-Furnace Process, by  
V. V. Kondakov, 14 pp, (pp 115-124).

Application of the Oxygen-Enriched Blast  
in Blast Furnaces, by I. P. Bardin,  
M. A. Shapovalov, 28 pp, (pp 125-146).

Development of the Theory of the Blast-  
Furnace Process in the USSR, by L. M. Tsylev,  
M. Ya. Ostroukhov, 51 pp, (pp 147-186).

Development of Steel Production in the USSR,  
by A. Yu. Polyakov, A. M. Samarin, 10 pp,  
(pp 187-194).

Development of the Technology of Open-  
Hearth Production, by A. Ye. Khlebnikov,  
21 pp, (pp 195-210).

Application of Oxygen for Intensification  
of the Open-Hearth Process, by I. P. Bardin,  
L. M. Yefimov, 59 pp, (pp 211-249).

Scientific  
Minerals/Metals (Contd)

Selected Articles From the Russian Book  
Metallurgiya SSSR (1917-1957), (Contd)

OTS 60-51188  
PL-480

Vol I, Part I, 1958.

Development of the Design of Open-Hearth Furnaces and Shops, by N. G. Veselkov, M. A. Chernenko, 26 pp, (pp 250-269).

Development of the Theory of Flame Furnaces in the USSR, by M. A. Glinkov, 20 pp, (pp 270-280).

Converter Production of Steel in the USSR, by S. G. Afanas'yev, 16 pp, (pp 281-294).

Production of Electric-Furnace Steel in the USSR, by F. P. Yedneral, 21 pp, (pp 295-309).

Concerning the Relationship Between the Principal Parameters and Operational Factors of Electric Furnaces, by N. V. Okorokov, 28 pp, (pp 310-328).

Continuous Casting of Steel, by K. I. Gostev, 25 pp, (pp 329-349).

Development of the Theoretical Principles of Steelmaking Processes, by A. Yu. Polyakov, A. M. Samarin, 15 pp, (pp 350-360).

Development of the Science of the Kinetics of Steelmaking Processes in the USSR, by S. I. Filippov, 26 pp, (pp 361-381).

Technology in the Manufacture of Ferroalloys, by I. F. Krasnykh, P. A. Sakharuk, 22 pp, (pp 382-398).

Dressing of Nonferrous and Rare Metal Ores, by V. A. Glembotskiy, 36 pp, (pp 415-447).

Scientific  
Minerals/Metals (Contd)

Selected Articles From the Russian Book  
Metallurgiya SSSR (1917-1957). (Contd)

OTS 60-51188  
PL-480

Vol I, Part 2, 1958.  
Nonferrous Metallurgy, by  
D. M. Chizhikov, 59 pp, (pp 448-495).

Roasting (Calcination) of Sulfide Con-  
centrates of Heavy Nonferrous Metals,  
by G. S. Frents, 17 pp, (pp 496-).

The Metallurgy of Aluminum, by  
A. I. Bel'vayev, 30 pp, (pp 508-528).

The Metallurgy of Magnesium, by  
B. S. Gulyanitskiy, 25 pp, (pp 529-551).

Development of the Metallurgy of Rare  
and Minor Metals in the USSR, by  
N. P. Sazhin, 21 pp, (pp 552-569).

The Metallurgy of Semiconductors, by  
D. A. Petrov, 24 pp, (pp 633-637).

The Metallurgy of Noble Metals, by  
O. Ye. Zvyagintsev, 17 pp, (pp 638-655).

Theoretical Principles of the Metallurgy  
of Nonferrous Metals, by A. N. Vol'skiy,  
53 pp, (pp 656-667).

The Development of the Theory of Liquid  
Slag in USSR, by O. A. Esin, 60 pp,  
(pp 668-700).

Application of Radioactive Isotopes,  
by I. S. Kulikov, 5 pp, (pp 701-728).

Distribution of Spread in the Deformation  
Zone, by V. N. Vydrin.  
RUSSIAN, bk, Obrabotka Metallov Davleniem,  
No 4, Metallurgizdat, 1956.

RISI 1940

Extraction of Rubidium and Cesium From  
Minerals and Ores, by F. M. Perelman.  
RUSSIAN, bk, Rubidiy i Tseziy, 2d Ed,  
1960, pp 103-129.

FTD MCL-1225/1

Scientific  
Minerals/Metals (Contd)

Investigation of Friction in the Hot Rolling of Steel, by I. M. Pavlov, M. I. Kuprin.  
RUSSIAN, bk, Tekhnologicheskie Protseessy Obrabotki Stali i Splavov, (Collection 33, "I. V. Stalin", Moscow Institute of Steel), Moscow, 1955, pp 154-192.

BISI 2050

Increasing the Erosion Strength of Steel for Steam-Turbine Blades by Spark-Hardening, by M. G. Timerbulatov, V. P. Savukov.  
RUSSIAN, per, Energomash, Vol VII, Apr 1961, pp 32-34, 40.

BISI 2316

Steel Sheet Cube Texture in Transformer 0.01 - 0.05 mm Thick, by G. N. Kadykova, V. V. Sosnin.  
RUSSIAN, per, Fiz Metal i Metallov, Vol XI, Mar 1961, pp 382-387.

\*BISI E 2418

Effect of Boron Additions Upon Low-Temperature Impact Toughness of Austenitic Steel, by V. V. Levitin.  
RUSSIAN, per, Fiz Metal i Metallov, Vol XI, No 4, 1961, pp 564-567.

HB 5236

Tracking of Zirconium and Its Compounds in the Atmosphere of Industrial Premises, by M. S. Bykhovskaya.  
RUSSIAN, per, Gig Truda i Professional Zabol, No 6, 1961, pp 54-57.

\*AEC

Current Asymmetry in AC Arcs Between Electrodes of Dissimilar Current-Conducting Materials, by G. M. Tikhodeyev.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12, 1951, pp 1777-1785.

HB 5176

Metallo-Ceramic Method of Obtained Alloyed Moldings on the Basis of Molybdenum, by A. V. Savin, 7 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Metallurgiya i Toplivo, No 6, 1960, pp 47-50.  
9670988

FTD MCL-952/1

Scientific  
Minerals/Metals (Contd)

Selected Articles From the Russian Periodical  
Iz Vysshikh Ucheb Zaved, Chern Metal.

- No 6, 1960, pp 44-51. \*BISI 2249  
The Effect of Tri-Axial Pressure on the  
Atomic Magnetic Moments of Iron, Nickel, and  
of the Alloy Fe+36% Ni, by I. Ya. Dekhtyar,  
B. S. Nikhalenkov.
- No 8, 1960, pp 160-166. \*BISI 2391  
The Heating of Large Ingots in Regenerative  
Soaking Pits, by N. Yu. Tayts, et al.
- No 9, 1960, pp 160-166. HB 5068  
Mechanical Properties of Steel Improved  
by Combined Heat and Ultrasonic Treatment,  
by E. A. Al'ftan.
- No 11, 1960, pp 113-120. HB 5094  
Induction Hardening of Metal-Powder Compacts  
[Especially Iron Powders], by I. N. Kidin.
- No 1, 1961, pp 184-190. \*BISI 2376  
The Effect of the Number of Ingots on the  
Aerodynamics and Heat Exchange in Top  
Fired Soaking Pits, by M. A. Glinkov,  
Choi En Sir.
- No 2, 1961. HB 5149  
On the Hydrogen Problem in Alloy Steels From  
the Electric Furnace, by E. S. Kalinnikov,  
I. P. Zavaluyev, (pp 45-50).
- Effect of Alpha- and Epsilon Phases on the  
Strain Hardening of Austenitic Steels While  
Being Worked, by I. N. Bogachev,  
A. F. Sachavskiy, (pp 100-108). HB 5145
- No 3, 1961, pp 11-15. HB 5165  
Effect of Carbon and Silicon on the Surface  
Tension of Pig Iron, by K. I. Vashchenko,  
A. P. Rudoi.
- No 4, 1961. HB 5240  
Microexamination of Martensite Transformation  
in Titanium-Stabilized 18% Cr-9% Ni Steel During  
Subzero Treatment, by S. V. Chernyavskaya,  
I. D. Kedrin, (pp 89-92).

Scientific  
Minerals/Metals (Contd)

Selected Articles From the Russian Periodical  
Iz Vysshikh Ucheb Zaved, Chern Metal.

No 4, 1961.

Formation of Titanium Carbonitrides in Steel,  
by Yu. G. Gurevich, E. D. Mokhir, (pp 107-113).

HB 5241

No 5, 1961, pp 58-67.

Denitrogenisation of Molten Steel With  
Titanium Under Production Conditions, by  
Yu. G. Gurevich.

BISI 2359

Thermodynamics of Zirconium and Hafnium  
Chlorides, by L. P. Ruzinov, S. F. Belov.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,  
Tsvetnaya Metal, No 6, 1960, pp 104-113.

\*FTD-TT-61-75/1

Calculation of the Coefficient of Friction in  
the Working of Metals by Pressure, Based on the  
Theory of the Slip Band, by P. A. Ivanov.  
RUSSIAN, per, Kuznechno-Shtampovochnoye Proiz,  
Vol II, No 10, 1960, pp 4-6.

BISI 2148

Embrittlement of 20% Cr, 14% Ni, 2.5% Si Steel  
During Aging at 500-650°C, by A. V. Tikhomirov,  
et al.

RUSSIAN, per, Metal i Term Obra Metallov, No 8,  
1958, pp 22-25.

HB 4316

All-Union Scientific-Technical Conference on  
the Application of Induction Heating in the  
Heat Treatment of Metals, by M. G. Lozinskiy,  
6 pp.

RUSSIAN, per, Metal i Term Obra Metallov,  
No 2, 1961, pp 59-61.

JPRS 4841

Fifth All-Union Scientific and Technical  
Conference on Powder Metallurgy, by V. S.  
Rakovskiy, 4 pp.

RUSSIAN, per, Metal i Term Obra Metallov,  
No 4, 1961.

JPRS 4968

Specific Pressure and Spreading in the Hot  
Rolling of Steels EYa-1 and U-8-A as Compared  
With Low-Carbon Steel (1010), by N. I. Svede-Shvets.  
RUSSIAN, per, Metallurg, No 7, 1939, pp 82-89.

BISI 31

Scientific  
Minerals/Metals (Contd)

Basic Refractory Waste: - A Valuable Raw Material, by M. N. Kaibicheva, et al.  
RUSSIAN, per, Metallurg, Jan 1961, pp 18-20.

BISI 2223

Magnetic Roasting of Iron Ores, (In Countries Who Are Members of the S.E.V. (the East European Council for Mutual Economic Aid)), by G. V. Gubin.  
RUSSIAN, per, Metallurg, Vol VI, Mar 1961.

BISI 2338

On the Problem of the Genesis of Cinnabar and Metacinnabarite, by G. L. Piyotrovskiy, 6 pp.  
RUSSIAN, per, Mineral Sbornik, No 12, 1958, pp 225-232.

Amer Geol. Inst  
Int Geol Rev  
Vol III, No 8

On the Quartz in the Brown-Coal Deposits of Dubrovka and the Glinsk-L'vov Region, by Ye. F. Sidorenko, 6 pp.  
RUSSIAN, per, Mineral Sbornik, No 12, 1958, pp 255-261.

see above

The Genesis of Kyanite in Quartz Veins, by Ivan Kostov, 7 pp.  
RUSSIAN, per, Mineral Sbornik, No 12, 1958, pp 262-269.

see Above

Metallographic Study of Alloys Using the Micro-Thermal E.M.F. Method, by E. M. Strug, E. V. Panchenko.  
RUSSIAN, per, Nauch Dok Vysshei Shkoly, Metallurg, No 2, 1959, pp 252-256.

HB 5171

Reactions of Certain Oxides and Carbides With High-Melting Metals at High Temperatures, by G. V. Samsonov, G. A. Yasinskaya, E. A. Shiller.  
RUSSIAN, per, Ogneupory, No 7, 1961, pp 335-338.

\*FTD-TT-61-74/1

A Spectrograph for Analyzing Molten Metal and Slag, by I. M. Kustanovich.  
RUSSIAN, per, Sbornik L'vovsk U. Fiz, Vol IV, No 9, 1958, pp 451-452.

\*BISI 2370

Scientific  
Minerals/Metals (Contd)

Effect of Methods of Plastic Deformation on Internal Stress in Metal, by L. I. Lysak, Yu. P. Sogrishin.

RUSSIAN, per, Sbornik Nauchnykh Rabot Inst Metallofiz Ak Nauk Ukrain SSR, No 9, 1959, pp 22-26.

\*BISI 2371

The Influence of the Flux on the Properties of Welded Joints in High-Strength Steel, by K. V. Lyubavsky, et al.

RUSSIAN, per, Svaroch Proiz, No 2, 1959, pp 23-25.

BISI 2348

All-Union Scientific-Technical Conference on the Over-All Mechanization and Automation of the Welding Industry, by V. M. Kondratovich, 10 pp.

RUSSIAN, per, Svaroch Proiz, No 2, 1961, pp 41-43.

JPRS 4841

Bitvite - Lithium-Beryllium Margarite, by A. I. Ginzburg, 7 pp.

RUSSIAN, per, Trudy Ak Nauk SSSR, Mineral Museya, Vol VIII, 1957, pp 128-131.

Dept of Interior  
QE3 E57 No 48

Some Problems in Physical Investigations of Metals and Alloys, by I. B. Borovskiy.

RUSSIAN, per, Trudy Inst Metall imeni A. A. Baikova, No 4, 1960, pp 3-8.

HB 5182

Local Alloy as a Method of Increasing Heat Resistance.

RUSSIAN, per, Trudy Issledovaniya Zharoprochnykh Splavov Aviatsionnaya Institut Oborongiz Moskva, No 123, 1960, pp 17-24.

\*FTD-TT-61-31

Durability of Alloys in Contact With Sodium, by S. T. Kishkin, G. P. Benediktova.

RUSSIAN, per, Trudy Issledovaniya Zharoprochnykh Splavov Aviatsionnaya Institut Oborongiz Moskva, No 123, 1960, pp 45-52.

\*FTD-TT-61-31

Theory and Practice of the Diffusional Saturation of Alloys With Metals. Heat Resistance, by G. N. Dubinin.

RUSSIAN, per, Trudy Issledovaniya Zharoprochnykh Splavov Aviatsionnaya Institut Oborongiz Moskva, No 123, 1960, pp 65-68.

\*FTD-TT-61-31



Scientific  
Minerals/Metals (Contd)

A Scientific-Technical Conference on Secondary Nonferrous Metals, by L. Müller, 7 pp.  
RUSSIAN, per, Tsvetnyye Metally, No 5, 1961, pp 77-79.

JPRS 4955

Rate of Crystallization of Minerals, by D. P. Grigor'yev, 12 pp.  
RUSSIAN, per, Zapiski Vses Mineralog Obshch, 2d Series, Part 88, No 5, 1959, pp 497-511.

Amer Geol Inst  
Int Geol Rev  
Vol III, No 8

Study of the Magnetic Properties of the Yttrium-Ytterbium Garnet Ferrite System, by Kuo-tung Li, Ch'ing-yung Tsai, Chen-Wung Ch'en.  
CHINESE, per, Wu Li Hsueh Pao, Vol XVI, No 5, 1960, pp 281-288.

\*FTD TT-61-114

The Occurrence of Conchoidal Fracture During the Overheating of Steel, by J. Elfmark, O. Sedenka.

CZECH, per, Hutnicke Listy, Vol XVI, No 8, 1961, pp 546-552.

MT 208

Precipitation in Low-Carbon Steel Under Cyclic Loading, by M. Klesnil, P. Rys.  
CZECH, per, Hutnicke Listy, Vol XVI, No 8, 1961, pp 565-572.

MT 209

Spectral Analysis of Silicon, Manganese, Copper and Tin in Ferro-Tungsten, by A. Svehla, O. Kvopkova.  
CZECH, per, Hutnicke Listy, Vol XVI, No 8, 1961, pp 588-590.

MT 211

Solidification and Crystallization of Steel in the Mold as a Source of Defects in Ingots and Forgings, by V. Koselev, S. Burda.  
CZECH, per, Hutnik, Vol XI, No 3, 1961, pp 110-117.

HB 5183

Piezoelectric Resonators From Artificial Crystals of Potassium Tartrate, 9 pp.  
CZECH, per, Slaboproudy Obzor, Vol XX, No 9, 1959, pp 538-541.

USASIA: H-6634-A

Synthetic Piezoelectric Materials, 18 pp.  
CZECH, per, Slaboproudy Obzor, Vol XXI, No 2, 1960, pp 66-72.

USASIA: H-6639

Scientific  
Minerals/Metals (Contd)

Uranium Oxide Extrusion, by R. Hauser,  
J. Mercier.  
FRENCH, EUR-Cnt-1 rpt, 1961, 13 pp.

\*AERE, Harwell  
Tr No 1481

The Effect of Aluminum Nitride on the  
Forgeability of Steel, by P. Bastien,  
P. Portevin.  
FRENCH, per, Comptes Rendus des Seances  
de l'Academie des Sciences, 21 Nov 1960,  
pp 2347-2349.

BISI 2392

The Heterogeneity of Killed Steel Ingots,  
by A. Kohn.  
FRENCH, per, Coulee de l'Acier, No 1,  
Part III, 1958, pp 1-52.

BISI 1436

Selected Articles From the French  
Periodical Rev Metal Mem Sci.

Vol LVII, Mar 1960, pp 203-214.  
Plastic Strain and Fracture of Steel  
Specimens Subjected to a Cylindrical  
State of Stress. Application to the  
Study of the Hydrogen Embrittlement  
of Steel, by K. Liang, et al.

BISI 2121

Vol LVII, Apr 1960, pp 347-353.  
Differential Determination of Oxygen  
in Metals by Bromination-Reduction, by  
R. Durand, F. Nouyrigat.

BISI 1796

Vol LVII, Oct 1960, pp 925-933.  
The Determination of Nitrogen in Steel,  
Iron and Ferro-Alloys, by J. Calmettes,  
H. Guinot.

BISI 2166

Vol LVII, Dec 1960.  
Determination of Carbon in Steels and  
Ferro-Alloys With Low Carbon Contents,  
by R. Dezirat, (pp 1125-1132).

\*BISI 2374

Determination of Oxygen in Steels by  
Melting in Reducing Conditions Under  
Argon, by M. Hanin, (pp 1133-1141).

\*BISI 2375

Scientific  
Minerals/Metals (Contd)

Recent Results Obtained With the Quantovac  
in the Analysis of Steels, by W. H. Barry,  
J. M. Carrol.

FRENCH, per, Revue Universelle des Mines,  
Vol XV, May 1959, pp 281-289.

BISI 2087

The Problem of Skin Rupture in the Continuous  
Casting of Steel, by J. Gouzou, J. Zaetydt.

FRENCH, per, Revue Universelle des Mines,  
No 3, 1961, pp 110-134.

BISI 2266

Apparatus for the Isolation of Residues  
in Alloyed and Unalloyed Steels, by  
P. Klinger, W. Koch.

GERMAN, pamphlet, Strohlein & Co.,  
Dusseldorf, 5 pp.

BISI 2142

Selected Articles From the German Periodical  
Archiv fuer Eisenhuttenwesen.

Vol XXIX, No 1, Jan 1958, pp 25-34.  
Operating Experience With Flame Spectro-  
meters in the Determination of Calcium and  
Magnesium in Steel Works Laboratories, by  
K. Abresch, W. Dobner.

BISI 2271

Vol XXX, No 1, 1959, pp 15-22.  
Breaking Down of Wustite in Layer of Scale  
on Iron, by W. Fischer, A. Hoffmann.

\*BISI 2432

Vol XXXI, No 5, 1960, pp 299-308.  
Influence of Carbon Content and Experi-  
mental Temperature on the Strengthening  
and Specific Electrical Resistance of  
Ferritic and Austenitic Steels During  
Cold Working, by E. Schmidtman, et al.

\*BISI 2335

Vol XXXI, No 11, 1960, pp 639-643.  
Gases in Ferroalloys, by R. Limpach,  
B. Marincek.

HB 5076

Vol XXXII, No 5, 1961, pp 297-302.  
Equilibrium Investigation of Magnesio-  
Wustites and Magnesio-Ferrites, by N. G.  
Schmahl, et al.

\*BISI 2411

New Developments Concerning the LD [Basic  
Oxygen] Process, by R. Rinesch.

GERMAN, per, Berg- und Huttenmannische  
Monatshefte, Vol CV, No 11, 1960, pp 302-313.

HB 5051

Scientific  
Minerals/Metals (Contd)

The Welding of Copper Alloys, by R. Kocher,  
28 pp.  
GERMAN, per, Metall, Vol XII, 1958,  
pp 1007-1014.

NRCC TT-947

Investigations Into the Sinterability  
of Chromium-Nickel Austenitic Steels,  
by F. Eisenkolb.  
GERMAN, per, Monatsberichte der Deutsche  
Akademie der Wissenschaften zu Berlin,  
Vol I, No 7/10, 1959, pp 446-451.

HB 5195

An Attempt to Explain the Good Preservation  
of Old Types of Iron, by K. Daeves.  
GERMAN, per, Die Naturwissenschaften,  
Vol XXIII, 1935, pp 653-656.

MT 206

The Extrusion of Steel Tubes and Sections,  
by E. K. L. Haffner, R. M. L. Elkan.  
GERMAN, per, Neue Hutte, Vol V, May 1960,  
pp 266-278.

BISI 2163

Service Performance and Applications of  
Hot-Strength 12% Chromium Steel, by G. Kruger.  
GERMAN, per, Neue Hutte, Vol VI, No 3, 1961,  
pp 131-138.

HB 5143

Investigation of the Systems Uranium -  
Zirconium (Hafnium, Niobium, Tantalum) -  
Carbon, by F. Benesovsky, E. Rudy.  
GERMAN, per, Planseeberichte fuer  
Pulvermetallurgie, Vol IX, 1961, pp 65-76.

\*AERE, Harwell  
Tr No 1483

The Iron Ore Beds of the State of Minas  
Gerais, Brazil, and the Brazilian Iron and  
Steel Industry, by K. L. Weiner.  
GERMAN, per, Radex Rundschau, No 4, Aug 1961,  
pp 623-640.

\*BISI 2389

The Formation of Greek Magnesite Beds, by  
W. E. Petrascheck.  
GERMAN, per, Radex Rundschau, No 4, Aug 1961,  
pp 641-646.

\*BISI 2390

Scientific  
Minerals/Metals (Contd)

Selected Articles From the German Periodical  
Stahl und Eisen.

Vol LXXX, 8 Dec 1960.

The Development of Metallurgical Processes  
and Production Methods 1860-1960, by F. A.  
Springorum, (pp 1838-1851).

BISI 2026

Examples From the Historical Development of  
Steel Shaping, by W. Ochel, (pp 1852-1863).

BISI 2027

The Function of Steel in Technical Develop-  
ments in the Last Hundred Years, by H. Kallen,  
(pp 1864-1877).

BISI 2028

Vol LXXXI, 30 Mar 1961, pp 408-421.

Assessing Performance and Consumption Data  
in Iron and Steel Works, by H. Z. Plugge.

BISI 2326

Vol LXXXI, No 8, 1961, pp 498-501.

Use of Bituminous Coals and Hot Blast in  
the Strand Sintering of Minette Iron Ores,  
by K. Heyden.

HB 5172

Vol LXXXI, 8 Jun 1961.

Investigations on the Transformation  
Behaviour, Notch Toughness and Tendency  
to Intergranular Corrosion of Chromium  
Steels Containing Up to 30% Cr, by  
E. Baerlecken, et al, (pp 768-778).

\*HB 5215

Experiences in Treating the Surface of  
Semi-Finished Products of Alloy Steels by  
Flame Gouging and Grinding, by H. Geipel,  
(pp 787-794).

\*BISI 2362

Vol LXXXI, 3 Aug 1961, pp 1047-1057.

Study of Semi-Killed Steels and on the  
Effect of Accompanying Elements, by  
P. Greenway.

\*BISI 2424

Scientific  
Minerals/Metals (Contd)

Selected Articles From the German Periodical  
Technische Mitteilungen Krupp.

Vol XVIII, No 1, 1960, pp 1-8.  
Krupp-Renn Process Granules and Sponge Iron  
as Coolants in the Basic Oxygen [LD] Process,  
by E. Plockinger, K. Borowski.

HB 5069

Vol LIV, No 2, 1961.  
Continuous Casting of Quality and Mass-  
Produced Steels. Problems Still to Be  
Solved, by K. G. Speith, A. Bungereoth,  
(pp 82-87).

\*BISI 2385

Continuous Casting of High Grade Steels,  
by B. Tarmann, (pp 88-98).

\*BISI 2386

No 6, 1961, pp 73-77.  
Typical Characteristics of Pre-Cambrian,  
Quartz-Bonded Ores of the Northern Labrador  
Trough in Canada and Their Relation to  
Type, by R. Tschoepke.

\*BISI 2396

Flame Spraying of Alumina, by H. Meyer, 63 pp.  
GERMAN, per, Werkstoffe und Korrosion, Vol XI,  
1960, pp 601-616.

AERE, Harwell  
NP-Tr-608

Concerning Chemical Technology of Aluminum, by  
Hans Ginsberg.  
GERMAN, per, Z. fuer Erzbergbau und Metall-  
hutenwesen, Vol XIII, No 1, 1960, pp 1-6.

Dept of Interior  
TN7 E57 No 397

Concerning the Thermal Manufacture of Aluminum-  
Silicon Alloys With High Aluminum Content, by  
H. Schmitt, H. Wittner.  
GERMAN, per, Z. fuer Erzbergbau und Metall-  
hutenwesen, Vol XIII, No 10, 1960, pp 471-477.

Dept of Interior  
TN7 E57 No 412

Powder Metallurgy of Thermoelectric Materials.  
I. Sintering Theories; II. Experimental  
Methods and Test Results, by H. Schreiner,  
P. Wendler.  
GERMAN, per, Z. fuer Metallkunde, Vol LII,  
No 4, 1961, pp 210-220.

\*AERE, Harwell  
Tr No 1486

Scientific  
Minerals/Metals (Contd)

Criteria for the Use of Steels in High Pressure and High Temperature Plants. Admissible Values for Calculation, for Safety Criteria and for Materials, by A. Feroci.

ITALIAN, per, La Metallurgia Italiana, Vol LII, Oct 1960, pp 661-668.

\*BISI 2358

Selected Articles From the Japanese Periodical Tetsu to Hagane.

Vol XLV, No 12, 1959, pp 1341-1345.  
Primary Cooling of Steel in Continuous Casting, by Y. Aketa, et al.

\*HB 5223

Vol XLVI, No 7, 1960, pp 753-757.  
On the Secondary Cooling in Continuous Casting (of Steel), by Y. Aketa, K. Ushihima.

\*HB 5219

Vol XLVI, No 10, 1960, pp 1180-1182.  
Operating Results of the New Tobata [Japan] Basic Oxygen [LD] Plant, by Y. Mitarashi, S. Morita.

HB 5247

Vol XLVII, No 2, 1961, pp 116-124.  
Mechanism of Internal Tearing in Continuous-Cast Steel Billets, by K. Ushijima.

\*HB 5220

Vol XLVII, No 3, 1961.  
Effect of Solution Treatment on High-Temperature Properties of 18-8Ti Steel, by K. Ono, et al, (pp 552-554).

HB 5170

Effect of Delta Ferrite on Properties of Chrome-Nickel Stainless Steels, by R. Nakagawa, Y. Ootoguro, (pp 554-556).

HB 5173

Conference of the Nonferrous Metallurgy Group of the Council for Mutual Economic Assistance, by Zygmunt Syrczynski, 5 pp.  
POLISH, per, Rudy i Metale Niezelazne, No 3, 1961, pp 138-140.

JPRS 4800

Residual Elements in Steels, by J. M. Palacios Reparaz.

SPANISH, per, Instituto del Hierro y del Acero, Vol XIV, No 74, Apr 1961, pp 397-419.

\*BISI 2347

Scientific  
Minerals/Metals (Contd)

A Comparison of Shear Strength Values Obtained  
From Three Types of Shear Tests-7075-T6 Aluminum,  
by A. Armando Iannelli, 15 pp.  
UNKNOWN.

OTS PB-16189

Powder Sintering and Extrusion for the Fabri-  
cation of U - Al and  $UO_2$  - Stainless Steel  
Disperse Fuel Elements, by L. Meny, J. Buffet,  
et al.  
UNKNOWN, 4th Plansee Seminar, 20-24 Jun 1961.

\*AERE, Harwell  
Tr No 1500



Scientific  
Nuclear Physics

Selected Articles From the Russian  
Periodical Atomnaya Energiya.

Vol IX, No 4, 1960, pp 347-348. 9670999  
Brief Communications, 5 pp.

FTD MCL-1130/1

No 3, 1961.  
Nature of Residual Defects in Irradiated  
Neutrons and Deformed Monocrystals, by  
Ye. V. Kolontsova, 4 pp, (p 277).

AF 1452354

Ninth Session of the Scientific Council  
of the Joint Nuclear Research Institute,  
by V. Biryukov, 8 pp, (pp 282-285).

JPRS 4929

Vol X, No 4, 1961.  
Five Years of Work at the Joint Nuclear  
Research Institute, by D. I. Blokhintsev,  
46 pp, (pp 317-342).

JPRS 8770

Effects of Neutron Bombardment on Inter-  
nal Friction of Zn Mono- and Polycrystals,  
by N. F. Pravdyuk, Yu. I. Pokkrovskiy,  
V. I. Vikhrov, 4 pp, (p 347).

AF 1452354

An Investigation of the System of Auto-  
matic Regulation of the Power Level of  
a Nuclear Reactor, by A. V. Bondarenko,  
et al, (DC-6323).

RUSSIAN, per, Inzherno-Fiz Zhur, No 8,  
1961, pp 54-62.

\*JPRS

Second All-Union Conference on Radiation  
Chemistry, by A. S. Kuz'minskiy,  
L. A. Oksent'yevich, 7 pp.  
RUSSIAN, per, Kauchuk i Rezina, No 1,  
1961, pp 53-55.

JPRS 4884

Scientific  
Nuclear Physics (Contd)

Thermodynamic Analysis of the Heat Exchange Conditions in the Steam Generators of Atomic Electric Power Stations, by D. D. Kalafati, 8 pp.  
RUSSIAN, per, Teploenergetika, No 6, 1961, pp 16-20.

Interntl Phys Index  
Power Express  
Vol I, No 1

Radioactive Isotopes in International Trade, by V. Molodtsov, V. Aksilenko.  
RUSSIAN, per, Vnesh Torg, No 5, 1961, pp 48-51.

\*AERE, Harwell  
Tr No 1516

An Atom Factory, by G. Bliznakov, 5 pp.  
BULGARIAN, per, Nauka i Tekhnika za Mladezhata, No 6, 1958, pp 11-12.

USASIA: SC-225b/60

A Study of Drop Entrainment in a Laboratory Distillation Column by the Radioactive Tracer Method, by T. Lengyel, 16 pp.  
CZECH, per, Magyar Kemikusok Lapja, Vol XIV, 1959, pp 314-317.

AEC NP-Tr-600

Fast Neutron Spectrometer Using Lithium 6 and Silicon Diodes, by J. Bok, B. de Cosnac, J. P. Noel, R. Schuttler, 10 pp.  
FRENCH, bk, Spectrometre a Neutrons Rapides a Lithium 6 et Diodes Au Silicium, May 1961. 9080650

AEC Tr-4738

Considerations of Energy in the Production of Defects by Radiation, by M. Balarin, O. Hauser.  
GERMAN, per, Kernenergie, Vol III, No 10/11, 1960, pp 973-978.

\*AERE, Harwell  
Tr No 1489

Selectivity and Typical Reaction Mechanisms in Radiation Chemistry, by G. O. Schenck, 72 pp.  
GERMAN, per, Z fuer Elektrochemie, Vol LXIV, 1960, pp 997-1011.

AERE, Harwell  
NP Tr-683

Reactions of Cyclohexane and Other Hydrocarbons Under the Influence of  $^{60}\text{Co}$  - Radiation, by D. Hummel, H. Barzynski, 16 pp.  
GERMAN, per, Z fuer Elektrochemie, Vol LXIV, Nov 1960, pp 1015-1019.

AERE, Harwell  
NP Tr-679

Scientific  
Nuclear Physics (Contd)

Scandium 45 as Spallation Product of  
the Cosmic Rays in Iron Meteorites,  
by H. Wanke.

GERMAN, per, Z Naturforsch, Vol XIIIa,  
Aug 1958, pp 645-649.

AEC AFCRL-TR-60-411

The Indonesian Atomic Energy Institute,  
5 pp.

INDONESIAN, per, Madjalah Administrasi  
Negara, Vol II, No 10, 1960, pp 333-335.

JPRS 4916

Proceedings of the Second Japan Conference  
on Radioisotopes, February 1958, 1720 pp.  
JAPANESE, rpt, 1958. 9081185-V

AEC Tr-4482

Chemical War Agents, 10 pp.

POLISH, per, Podstawowe Wiadomosci, 1960,  
(Encl 3 to R-548-60-OUSARMA).

ACSI W-9884  
ID 2161564

A Krypton-85 Light Source, by P. J. Nowacki,  
E. Strychalski, J. Rydel, 6 pp.

POLISH, rpt, Polska Ak Nauk Inst Badan  
Jadrowych, No 175/111, Sep 1960. 9079917

AEC NP-Tr-649

Polish-Yugoslav Conference on Production  
of Nuclear Raw Materials, by K. Pinkas,  
J. Borysowski, 3 pp.

POLISH, per, Nukleonika, Vol VI, No 1,  
1961, pp 68, 69.

JPRS 10105

Nuclear Energy in Poland, by Wilhelm Billig,  
16 pp.

POLISH, per, Problemy, Vol XVII, No 3,  
1961, pp 180-191.

JPRS 8800

Sideral Anisotropy of High Energy Cosmic  
Rays -- II, by I. Escobar, V. N. Nerurkar,  
R. Weil, 6 pp.  
SPANISH, rpt.

Planetary & Space Sci  
Vol II, No 2/3, Apr 1960  
PP

The Fall-Out of Meteoric Iron Particles,  
by E. A. Kreiken, 11 pp.  
TURKISH, rpt.

Planetary & Space Sci  
Vol II, No 1, 1959  
PP

Scientific  
Physics

Photochemical Formation of Organic  
Compounds From Mixtures of Simple  
Gases, by W. E. Groth, H. V. Weyssenhoff,  
6 pp.  
RUSSIAN, rpt.

Planetary & Space Sci  
Vol II, No 2/3, Apr 1960  
PP

Radio Wave Propagation Characteristics of  
a Simple Ionospheric Model Based on Rocket  
Data, by L. Zhekulin, 11 pp.  
RUSSIAN, rpt.

Planetary & Space Sci  
Vol II, No 2/3, Apr 1960  
PP

Theory of Detonation, by Ya. B. Zeldovich,  
A. S. Kompaneets.  
RUSSIAN, bk, 1960.

Dept of Interior  
QD516 Z39

Effect of Ionizing Radiation on Polymers,  
by T. S. Nikitina, E. V. Zhuravskaya,  
A. S. Kuzminskiy.  
RUSSIAN, bk, Deystviye Ioniziruyushchikh  
Izlucheniy na Polimery, 1959.

Navy Tr 2850/ONI 774

Experiments in Joule Heating of Plasma in  
a Strong Magnetic Field, by E. P. Gorbunov,  
G. G. Dolgov-Savelev, et al.  
RUSSIAN, rpt, Eksperimental'noe Issledovanie  
Dzhouleva Nagreva Plazmy v Sil'nom Magnitnom  
Pole.

\*AEC

Experimental Investigation of Plasma Insta-  
bility in a Magnetic Mirror Trap, by  
M. S. Yoffe, E. E. Yushmanov.  
RUSSIAN, rpt, Eksperimental'noe Issledovanie  
Neustoichivosti Plazmy v Lovushke s Magnitnymi  
Probkami.

\*AEC

Experimental Radiation of Magneto-Acoustic  
Resonance, by A. V. Bartov, E. K. Zavoyiski,  
et al.  
RUSSIAN, rpt, Eksperimental'noe Izuchenie  
Magnitno-Zvukovogo Rezonansa.

\*AEC

Experiments on Interaction of a Plasma With  
an Electro-Magnetic Field in a Cavity  
Resonator, by Y. I. Arseniyev, V. M. Glagolev.  
RUSSIAN, rpt, Ekspermenty po Vzaimodeistviyu  
Plazmy s Elektromagnitnym Polem Rezonatora.

\*AEC

Scientific  
Physics (Contd)

The Physics of X-Rays, by M. A. Blokhin,  
429 pp.  
RUSSIAN, bk, Fizika Rentgenovskikh Luchei,  
1957, 518 pp. 9081187-V

AEC Tr-4502

Investigation of Ion Cyclotron Waves, by  
K. D. Sinelnikov, V. T. Tolok, et al.  
RUSSIAN, rpt, Issledovanie Ionnykh Tsiklo-  
tronnykh Voln.

\*AEC

A Study of the Critical Parameters of Re-  
actor System.  
RUSSIAN, bk, Issledovaniya Kriticheskikh  
Parametrov Reaktornykh Sistem Sbornik Statey  
Gosudarstvennoye Izdatelstvo Literatury v  
Oblasti Atomnoy Nauki i Tekhniki Moskva,  
1960, 120 pp.

\*FTD-TT-61-124

Investigation of Plasma in the Adiabatic  
"Ogrenok" Trap, by N. N. Brevnov,  
M. K. Romanovski, et al.  
RUSSIAN, rpt, Issledovanie Plazmy v Adia'-  
atocheskoi Lovyshke "Ogrenok".

\*AEC

Investigation of a Current of Atomic Parti-  
cles Emitted by a Plasma, by V. V. Afrosimov,  
I. P. Gladkovski, et al.  
RUSSIAN, rpt, Issledovanie Potoka Atomnykh  
Chastits, Ispuskaemykh Plazmoi.

\*AEC

Investigation of Behavior of Plasma in the  
"Oreh" Magnetic Trap, by N. G. Kovalski,  
S. I. Lukyanov, et al.  
RUSSIAN, rpt, Issledovanie Povedeniya  
Plazmy v Magnitnoi Lovushke "Oreh".

\*AEC

Investigation of Noise Radiation by Hot  
Plasma in the Centimeter and Millimeter  
Wave Length Range, by M. M. Larionov.  
RUSSIAN, rpt, Issledovanie Shumvogo Iz-  
lucheniya Goryachei Plazmy v Diapazone  
Santimetrovkh i Millimetrovkh Voln.

\*AEC

Investigation of a Toroidal Discharge in a  
Varying Longitudinal Magnetic Field, by  
D. P. Ivanov, K. A. Razumova.  
RUSSIAN, rpt, Issledovanie Toroidal'nogo  
Razryada v Peremennom Prodol'nom Magnitnom  
Pole.

\*AEC

Scientific  
Physics (Contd)

Investigation of a Toroidal Discharge in a Varying Longitudinal Magnetic Field, by D. P. Ivanov, K. A. Razumova.

RUSSIAN, rpt, Issledovanie Toroidal'nogo Razryada v Peremennom Prodol'nom Magnitnom Pole.

\*AEC

Investigation of the Stability of a Cylindrical Plasma Pinch, by V. I. Yashin.

RUSSIAN, rpt, Issledovaniye Ustoychivosti Tsilindricheskogo Plazmennogo Shnura, 1960, pp 369-379.

\*AEC

Radiation by Impurities in Rarified Hot Hydrogen Plasma, by A. P. Vasilev, G. G. Golov-Savelev, et al.

RUSSIAN, rpt, Izluchenie Primesei v Razrezhennoi Goryachei Vodorodnoi Plazme.

\*AEC

Measurement of the Energy of Ions in a Trap With Magnetic Mirrors, by Y. V. Gott, V. G. Telkovsky.

RUSSIAN, rpt, Izmerenie Energii Ionov v Lovushke s Magnitnymi Probkami.

\*AEC

The Quasi-Linear Theory of Plasma Oscillations, by A. A. Vedenov, E. P. Velikhov, et al.

RUSSIAN, rpt, Kvazilineinaya Teoriya Otsillyatsii Plazmy.

\*AEC

Lecture No 1 on Weak Interactions, by L. B. Okun.

RUSSIAN, rpt, 1. Lektsii po Slabym Vzaimodeistviyam, 1960.

\*AEC

Lecture No 5 on the Weak Interactions, by L. B. Okun.

RUSSIAN, rpt, 5. Lektsii po Slabym Vzaimodeistviyam, 1960.

\*AEC

Lectures No 2-5, 1960, on the Theory of Weak Interactions, by L. B. Okun.

RUSSIAN, reports, Lektsii po Teorii Slabykh Vzaimodeitvii, 1960.

\*AEC

Scientific  
Physics (Contd)

Lectures No 6-13, 1961, on the Theory of Weak Interactions, by L. B. Okun.

RUSSIAN, reports, Lektsii po Teorii Slabykh Vzaimodeistvii, 1961.

\*AEC

Magnetic Methods of Flaw Detection [Non-destructive Testing], Analysis, and Measurements, by R. I. Yanus, N. M. Rodigin, 404 pp. RUSSIAN, bk, Magnitnye Metody Defektoskopii, Analiza i Izmerenii, No 21, 1959, 358 pp. 9080509-V

AEC Tr-4512

Microscopic Instabilities of Spatially Inhomogeneous Plasma in a Magnetic Field, by I. I. Rudakov, R. Z. Sagdeyev. RUSSIAN, rpt, Mikroskopicheskie Neustoichivosti Prostranstvenno Neodnorodnoi Plazmy v Magnitnom Pole.

\*AEC

Some New Data on Self-Compressed Discharges, by I. F. Kvartskhava, K. N. Kervalidze, et al. RUSSIAN, rpt, Nekotorye Novye Dannye o Samoszhatykh Razryadakh.

\*AEC

On the Character of the Instability Arising From the Interaction of an Electron Beam With Plasma, by R. A. Demirkhanov, A. K. Gevorkov, et al. RUSSIAN, rpt, O Kharaktere Nestabil'nosti, Voznikayushchei Pri Vzaimoleistvii Puchka s Plazmoi.

\*AEC

On the Mechanism of the High-Current Gas Discharge in a Weak Magnetic Field, by A. P. Babichev, A. I. Karchevski, et al. RUSSIAN, rpt, O Mekhanizme Sil'notochnogo Gazovogo Razryada v Slabom Magnitnom Pole.

\*AEC

Cyclotron Absorption of Electromagnetic Waves in Plasma, by L. S. Bogdankevich, A. A. Rukhadze, et al. RUSSIAN, rpt, O Tsiklotronnom Pogloshchenii Elektromagnitnykh Voln v Plazme.

\*AEC

Nuclear Optical Model in Light of Present Day Data, by I. S. Shapiro. RUSSIAN, rpt, Opticheskaya Modele Yadra i Svete Sovremennykh Dannyykh, 1960.

\*AEC

Scientific  
Physics (Contd)

Principles of the Theory of Metal Working by Pressure, by S. I. Gubkin, B. P. Zvorono, et al. RUSSIAN, bk, Osnovy Teoriy Obrabotki Metallov Davleniyem Gosudarstvennoye Nauchno-Tekhnicheskoye Izdatelstvo Mashinostroitel'noy Literatury Moskva 1959, pp 148-348.

\*FTD-TT-61-4

Dense, High-Temperature Plasma in a Non-Cylindrical Z-Pinch Compression, by N. V. Filippov, T. I. Filippova, et al. RUSSIAN, rpt, Plotnaya Vysokotemperaturnaya Plazma v Oblasti Netsilindricheskoi Kumulyatsii Z-Pincha.

\*AEC

Maintaining Ultra-Low Pressures of Neutral Gases During the Accumulation of High-Temperature Plasma in Magnetic Traps, by V. A. Simonov, G. F. Kleymenov, et al. RUSSIAN, rpt, Podderzhanie Sverkh nizkikh Davlenii Neitral'nogo Gaza v Protsesse Nakopleniya Vysokotemperaturnoi Plazmy v Magnitnykh Lovushkakh Inzhetskoi.

\*AEC

Production of Pure High-Temperature Plasma in Quasi-Stationary Systems: Processes Leading to the Introduction of Impurities in the Plasma, by V. A. Simonov, B. N. Shvilkin, et al. RUSSIAN, rpt, Poluchenie Chistoi Vysokotemperaturnoi Plazmy v Kvizistatsionarnykh Sistemakh. Protsessy Privodya-Shchie k Postupleniyu Primesei Plazmu.

\*AEC

Semiconductor Thermoelements, by Abram Fedorovich Yoffe. RUSSIAN, bk, Poluprovodnikovyye Termoelementy, 1960, 187 pp.

\*FTD-TT-61-96

Transverse Motion of Plasma in Magnetic Fields, by L. I. Elizarov, A. V. Zharinov. RUSSIAN, rpt, Poperechnoi Dvizhenie Plazmy v Magnitnom Pole.

\*AEC

The Optical Effects in Semiconductors in the Infrared Region With and Without a Magnetic Field, by L. E. Gurevich, I. P. Ipatova, Z. I. Uritskiy, 7 pp. RUSSIAN, bk, Proceedings of the International Conference on Semiconductor Physics, 1960, pp 328-334.

Navy/NRL 860



Scientific  
Physics (Contd)

Radioactive Radiations and Their Measurement,  
by N. P. Petrov, V. P. Syrnev, 227 pp.  
RUSSIAN, bk, Radioaktivnyye Izlycheniya i  
Ikh Izmereniya, pp 3-192.

ACSI H-8503  
ID 2159683

The Present State and Development of the  
Theory of Rock Breaking, by M. M. Protodyakonov,  
19 pp.  
RUSSIAN, bk, Razrushcheniye Ugley i Porod, 1953.

CSIR 168

Spectral Investigations of Plasma in the  
"Alpha" Device, by A. B. Berezin, A. N.  
Zaidel, et al.  
RUSSIAN, rpt, Spektral'nye Issledovaniya  
na Ustranovke "Al'fa".

\*AEC

Properties of a Plasma Formed by the Injection  
Into Oera of a Beam of Fast Molecular Hydrogen  
Ions, by G. F. Bogdanov, I. N. Golovin, et al.  
RUSSIAN, rpt, Svoistva Plazmy Obrazuyusheisya  
v Ogre Pri Injektsii Puchka Molekulyarnykh  
Ionov Vodoroda.

\*AEC

Compression of Plasma by a Rapidly-Increasing  
Opposing Magnetic Field, by G. N. Aretov, V. I.  
Vassilev, et al.  
RUSSIAN, rpt, Szhtie Plazmy Bystronarastayushchim  
Magnitnym Polem.

\*AEC

Transport and Containment of Moving Plasma  
Concentrations (High Frequency and Magnetic  
Plasma-Ducts), by G. A. Askaryan, M. L.  
Yovnovich, et al.  
RUSSIAN, rpt, Transportirovka i Uderzhanie  
Plasmennykh Sgustkov.

\*AEC

Cyclotron and Thermal Radiations of Plasma  
in Ogra, by A. E. Bazhanova, V. T. Karpukhin,  
et al.  
RUSSIAN, rpt, Tsiklotronnoe i Toplovoe  
Izlucheniya Plazmy v Ogre.

\*AEC

Turbulent Discharge in a Longitudinal Magnetic  
Field, by B. B. Kadomtsev.  
RUSSIAN, rpt, Turbulenyi Razryad v Prodol'nom  
Magnitnom Pole.

\*AEC

Scientific  
Physics (Contd)

Stability in Nonlinear Control Systems, by  
Alexander M. Letov, 316 pp.  
RUSSIAN, bk, Ustoychivost' v Helineynykh  
Systemakh Upravleniya, 1961.

Princeton U. Press  
Princeton, New Jersey

Influence of Impurities on Ionization and  
Heating of Deuterium Plasma, by G. G.  
Dolgov-Savelev, O. S. Isakova, et al.  
RUSSIAN, rpt, Vliyanie Primesei Na Ionizatsiyu  
Nagrevanie Deiterievoi Plazmy.

\*AEC

Thermophysical Properties of Certain Metals and  
Alloys in the Molten State, by N. A. Nikol'skiy,  
N. A. Kalakutskaya, I. M. Pehelkin, et al., 64 pp.  
RUSSIAN, bk, Voprosy Teploobmena, 1959, pp 11-45.  
9670780

FTD MCL-714/1

Ionic-Sound Excitation in the Positive Column of  
a Gaseous Discharge, by A. B. Nedospasov.  
RUSSIAN, rpt, Vozbuzhdenie Ionogo Zvuka v  
Polozhitel'nom Stolbe Gazovogo Razryada.

\*AEC

Interaction of an Electron Beam With a Plasma  
in a Magnetic Field, by I. F. Kharchenko,  
Y. B. Fainberg, et al.  
RUSSIAN, rpt, Vzaimodeistvie Puchka Elektrona  
s Plazmoi v Magnitnom Pole.

\*AEC

Interaction of High Frequency Electromagnetic  
Fields With Plasma, by R. A. Demirkhanov, Y. S.  
Khodrev, et al.  
RUSSIAN, rpt, Vzaimodeistvie Vysokochastotnogo  
Elektromagnitnogo Polya s Plazmoi.

\*AEC

Nuclear Reactions: Two Lectures, by K. A.  
Ter-Martirosin.  
RUSSIAN, rpt, Yadernaye Reaktsii: Dve Lektsii,  
1960.

\*AEC

Elastic Back-Scattering of 2.8 M Bev Mesons by  
Neutrons, by Yu. D. Bayukov, G. A. Leksin, D. A.  
Synkov.  
RUSSIAN, rpt, Yprygoe Rasseyanie - Mezonov s  
Impyl'som 2.8 Mev/s Neitronami Nazad, 1961.

\*AEC

Plasma Trapping in a Radially Increasing  
Magnetic Field, by I. N. Podgorny, V. I.  
Sumarokov.  
RUSSIAN, rpt, Zakhvat Plazmy v Povushku s  
Magnitnym Polom, Narastayushchim k Periferii.

\*AEC

Scientific  
Physics (Contd)

Radioactive Properties of Fissionable Substances,  
by A. G. Bykov, P. V. Zimakov, V. V. Kulichenko.  
RUSSIAN, per, Atomnaya Energiya, No 4, 1961,  
pp 362-367.

\*FTD-TT-61-60/1

Some Changes in the Method of Expanding the  
Perturbation Function, by R. A. Lyakh.  
RUSSIAN, per, Byul Instituta Teoreticheskoy  
Astronomii, Vol VII, No 6, 1959, pp 422-432.

\*FTD-TT-61-117

On the 'Superposition' Approximation in the  
Theory of Systems of Interacting Particles, by  
A. E. Glauberman, I. R. Yukhnovskiy, 6 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIII,  
1953, pp 999-1002. 9080670

AEC UCRL-  
Trans-668(L)

On the Phlegmatization of Explosives, by G. T.  
Afanas'yev, V. K. Bobolev, 8 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,  
No 4, 1961, pp 886-889.

\*NRL

The Behavior of Undisturbed Systems in Inertial  
Space, by V. A. Bodner, V. P. Seleznev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII,  
No 5, 1961, pp 1043-1046.

\*FTD-TT-61-63

A Clear Road for Semiconductors, by Ye  
Veselovskiy, 4 pp.  
RUSSIAN, np, Ekonomicheskaya Gazeta, 5 Mar 1961,  
p 2.

JPRS 10045

Investigating Heat-and Electro-Conduction  
of Tungsten and Graphite at High Temperatures,  
by V. S. Gumenyuk, V. V. Lebedev, 7 pp.  
RUSSIAN, per, Fiz Metal i Metall, Vol II, No 1,  
1961, pp 29-33. 9671005

FTD MCL-1165/1

Selected Articles From the Russian Periodical  
Inzhereno-Fiz Zhur.

Vol I, No 7, 1958, pp 61-71.  
Consideration of Apparatus Distortions and  
the Characteristics of Infra-Red Spectro-  
photometers, by G. G. Petrash, S. G.  
Rautian.

NRC TT902

Vol III, No 1, 1960.  
On Optimum Photoregistration Angle in  
Measurement of Rate of Combustion, by  
N. N. Bakhman.

\*ACSI H-9896  
ID 2174782

Scientific  
Physics (Contd)

Selected Articles From the Russian Periodical  
Inzhereno-Fiz Zhur (Contd)

- Vol III, No 5, 1960, pp 74-80. 9080653 AEC UCRL-Trans-677  
On the Problem of Heat Exchange During Liquid  
Boiling in Tubes, by I. P. Vishnev, N. K.  
Elukhin, 7 pp.
- Vol III, No 7, 1960, pp 88-94. RAE 926  
Calculation of Certain Conical Flows Without  
Axial Symmetry, by P. I. Chushkin, V. V.  
Shchennikov.
- Vol III, No 9, 1960, pp 17-24. 9670997 FTD MCL-1118/1  
The Structure of a Shock Wave in Air, Taking  
Into Account the Kinetics of Chemical Reactions,  
by N. M. Kuznetsov, 12 pp.
- Vol III, No 10, 1960, pp 5-10. 9670995 FTD MCL-1119/1  
The Influence of Initial Conditions on the  
Origin of the Boiling Crisis With Non-Uniform  
Heating of the Perimeter of a Pipe, by I. L.  
Mostinskiy, 8 pp.
- Vol III, No 12, 1960, pp 49-52. \*FTD-TT-61-128  
Propagation of a Flame on the Surface of  
a Liquid, by P. G. Ipatov.
- Vol IV, 1961, pp 123-125. 9080250 AEC Tr-4635  
The Crystallization of Supercooled Liquid  
in an Ultrasonic Field, by L. O. Maleshko,  
4 pp.
- Vol IV, No 1, 1961. \*FTD-TT-61-110/1  
Investigation of the Effect of Ultrasonic  
Waves on Heat Exchange of Bodies in Fluids,  
by A. A. Shukauskas, A. A. Shlanchyauskas,  
E. P. Yaronis, (pp 58-62).
- Calculation of Temperature in Fuel Elements  
of a Nuclear Reactor in Transient Conditions,  
by V. S. Yermakov, I. P. Zhuk, O. I. Yaroshevich,  
(pp 104-108).
- Vol IV, No 2, 1961, pp 103-105. \*FTD-TT-61-111/1  
Experimental Determination of the Effective  
Heat Conduction Coefficient and the Effective  
Diffusion Coefficients by Bodies With Channel  
Porosity by Means of Electrical Analogy, by  
G. Ye. Morozov.

Scientific  
Physics (Contd)

Selected Articles From the Russian Periodical  
Inzhereno-Fiz Zhur. (Contd)

Vol V, No 4, 1961, pp 16-24.  
The Calculation of Thermodynamic Functions  
of a High-Temperature Air-Carbon Mixture, by  
V. L. Sergeev.

\*AERE, Harwell  
Tr No 1482

Bionics - A New Science, by L. Zotova,  
A. Voskresenskiy.  
RUSSIAN, np, Izvestiya, 16 Jul 1961, p 2,  
Col 1, 2, 3.

\*FTD-TT-61-38

The Spreading of the Plastic Zone in an  
Inhomogeneous Tube Under the Dynamic Influ-  
ence of Pressure, by M. A. Zadoyan, 9 pp.  
RUSSIAN, per, Iz Ak Nauk Armyanskoy SSSR, Ser  
Fiz-Matemat Nauk, Vol XIII, No 3, 1960,  
pp 89-95. 9670992

FTD MCL-1114/1

Radiation of a Charged Particle in a Medium  
With a Periodically Variable Density, by A. Ts.  
Amatuni, N. A. Korkhmazyan.  
RUSSIAN, per, Iz Ak Nauk Armyanskoy SSSR, Ser  
Fiz-Matemat Nauk, Vol XIII, No 5, 1960, pp 55-64.

\*FTD-TT-61-115

Theory of Physical Adsorption of Gases and  
Vapors and the Adsorption Properties of  
Adsorbents of Differing Nature and Having  
Porous Structure, by M. M. Dubinin, 27 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim  
Nauk, No 7, 1960, pp 1153-1161.

JPRS 9238

Theory of Flame Propagation in Systems With  
Branched Chain Reactions, by L. A. Lovachev.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim  
Nauk, No 7, 1961, pp 1240-1248.

\*FTD-TT-61-95

Unsteady Motion of a Wing of Finite Span in a  
Compressible Medium, by E. A. Krasil'shchikova.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 3, 1928, pp 25-32.

NASA TT-F-58

The Theory of Thermo-Gravitational Convection  
in Turbulent Conditions, by L. E. Ber.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
No 11, 1957, pp 75-83.

RAE 920

Scientific  
Physics (Contd)

The Conditional Distribution of Correlated Random Points and the Use of Correlations for the Optimum Detection of Basic Pulse Signals (Noise Filtering), by R. L. Stratonovich, 17 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energet i Avtomat, No 2, 1961, pp 148-153.

JPRS 4833

The Propagation of Electromagnetic Waves in a Modified Contra-Wound Helical Coil Placed in a Cylindrical Waveguide, by S. S. Kalmykova, S. S. Tret'yakova, V. P. Shestopalov, 12 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energet i Avtomat, No 2, 1961, pp 159-164.

JPRS 4834

Prediction of Durability of Elements and Automatic Systems With Vectorial Determining Parameters, by G. V. Druzhinin, 10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energet i Avtomat, No 2, 1961, pp 165-170.

JPRS 4836

Selected Articles From the Russian Periodical Iz Ak Nauk SSSR, Otdel Tekh Nauk, Mekh i Mash.

No 3, 1959, pp 133-136.

\*AEC

The Uni-Dimensional Propagation of Waves in Materials With Delayed Yielding, by V. S. Lenskiy, L. N. Fonyna.

No 6, 1960.

\*FTD-TT-61-112/1

On the Stability of the Laminar Motion of a Fluid Containing a Solid Mixture, by Yu. P. Gupalo, (pp 38-46).

On the Solution of the Radiation Flux in the Laminar Boundary Layer, by G. N. Andreyev, (pp 109-111).

No 4, 1961.

Uniform Plasma Turbulence in a Strong Magnetic Field, by M. M. Prudinkov, (pp 10-13).

\*FTD-TT-61-93

Flow of Electrically Conducting Gas in a Channel With a Traveling Magnetic Field, by E. P. Zimin, E. I. Yantovskiy, (pp 170-172).

\*FTD-TT-61-113

Absorption and Reflection of Light of Crystals of Anthracene and Naphthacene, by M. D. Borisov.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XVII, 1953, pp 689-694.

Nat'l Res Council  
TT 613 (Canada)

Scientific  
Physics (Contd)

Supersonic Wings of Minimum Drag Having a Given Static Margin, by E. V. Bulygina.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Aviats Tekh, No 1, 1959, pp 3-9.

RAE 912

The Experimental Investigation of the Subsonic Turbulent Boundary Layer on a Plate With Injection, by V. P. Mugalev, 16 pp.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Aviats Tekh, No 3, 1959, pp 72-79. 9079859

RAND T-142

Calculation of the Temperature Fields in an Underheated Liquid When Boiling Under Conditions of Free Convection, by L. A. Latyshev.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Aviats Tekh, No 3, 1960, pp 74-79.

\*FTD-TT-61-51

On the Speed of Contact Fusion of Alkali-Haloid Crystals, by P. A. Savintsev, V. Ye. Avericheva, M. V. Kostyukevich.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Fiz, No 4, 1960, pp 107-109.

\*FTD-TT-61-66

One-Dimensional Nonsteady Gas Flow in the General Theory of Relativity, Including Dissipative Processes, by T. Aytmurzayev.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Fiz, No 6, 1960, pp 13-19.

\*FTD-TT-61-118

Investigation of a High Frequency Discharge in the Range Between 1.5 and 15 MC/S. III, by A. A. Kuzovnikov, N. A. Kaptsov.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Fiz, No 6, 1960, pp 64-70.

\*FTD-TT-61-94

Integral Functions of Absorption of Long-Wave Radiation in the Atmosphere, by V. E. Zuyev.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Fiz, No 3, 1961, pp 28-34.

\*FTD-TT-61-39

A Semi-Conductor Converter of Direct Current to Three-Phase Current, by P. P. Azvelev, S. S. Rybak.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Priborostroyeniye, Vol IV, No 3, 1960, pp 47-54.

\*FTD-TT-61-43/1

Errors in the Measurement of Transient Surface Temperatures, by N. A. Yaryshev, A. S. Makhnovetskiy.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Priborostroyeniye, Vol III, No 6, 1960, pp 100-110.

\*FTD-TT-61-35

Scientific  
Physics (Contd)

Comparative Merits of Some Gaseous Fillings of Gyromotor Chambers, by A. G. Bessonov.  
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Priborostroyeniye, Vol IV, No 3, 1961, pp 68-74.

\*FTD-TT-61-19

Forces During the Deformation of Metal in Box and Oval Passes, by M. Ya. Brovman, S. M. Genzelev.  
RUSSIAN, per, Kuznechno-Shtampovochnoye Proiz, No 12, 1960, pp 5-9.

\*BISI 2402

On the Accuracy of Optical Density Measurements, by G. G. Petrash, S. G. Rautian.  
RUSSIAN, per, Mater Vsesoinz Sov Spektrosk, No 1, 1957, pp 102-106.

NRC TT904

On the Flow of Gas Into a Cylinder of Variable Volume, by B. V. Ovsyannikov.  
RUSSIAN, per, Nauch Dok Vysshey Shkoly Mash i Priborostroy Sovet Nauka, No 2, 1958, pp 68-71.

\*FTD-TT-61-53

Polymer Semiconductors, by V. Azernikov, 6 pp.  
RUSSIAN, per, Nauka i Zhizn', No 2, 1961, pp 8-10.

JPRS 4874

Investigation of the Shape and Duration of the Pulses of Photomultipliers "PMB-19M" and "PBY-1B" With The Aid of a Micro-Oscillograph, by G. A. Vasiliyev, 4 pp.  
RUSSIAN, per, Pribery i Tekh Eksper, No 4, 1957, pp 66, 67.

Navy/NRL 858

Kinetics of Ozone Decomposition and Explosion, by S. Ya. Pshezhetskiy, S. A. Kamenetskaya, Ye. I. Gribova, 18 pp.  
RUSSIAN, per, Problemy Fiz Khim, No 2, 1959, pp 27-38.

JPRS 4917

Cross Correlation of Fluctuations of a Field With Finite Dimensions of the Receiving Lenses, by M. F. Bakhareva, 4 pp.  
RUSSIAN, per, Radiotekh i Elektron, Vol VI, No 1, 1961, pp 9-13. 9081685

DSI 724

Noise Storage in Devices With Delayed Feedback, by Yu. S. Lezin, 5 pp.  
RUSSIAN, per, Radiotekh i Elek, Vol VI, No 2, 1961, pp 187-192.

Interntl Physical Index  
Automation Express  
Vol III, No 9



Scientific  
Physics (Contd)

Spectroscopy Work of the Metal Physics Laboratory  
of the Stalingrad Branch of Giproneftemash, by  
B. G. Voronov.

RUSSIAN, per, Sbornik L'vovsk U, Fiz, Vol IV,  
No 9, 1958, pp 395-402.

\*BISI 2369

Selected Articles From the Russian Periodical  
Teploenergetika.

No 2, 1958.

Effect of the Temperature of a Liquid on  
the Cavitation Characteristics of a  
Centrifugal Pump, by M. A. Peshkin, (pp 47-51).

\*FTD-TT-61-52

The Effect of the Temperature Factor on Heat  
Transfer in the Turbulent Flow of Gas in Pipes,  
by N. I. Ivashchenko, (pp 72-75).

\*AERE, Harwell  
Tr No 1506

No 1, 1961, pp 56-58.

The Influence of Roughness on the Aero-  
dynamic Resistance of Tube Bundles in a  
Transverse Flow of Gas, by F. P. Kazakevich.

\*FTD-TT-61-87/1

No 3, 1961.

The Heat Transfer of Compact Bundles of Tubes  
in Honeycomb Arrangement With Transverse  
External Flow, by V. I. Tolubinskiy, V. M.  
Lagkiy, (pp 53-56).

\*FTD-TT-61-106/1

Heat Transfer to Sodium in the Region of Low  
Values, by M. S. Pirogov, (pp 62-64).

No 7, 1961, pp 48-49.

The Thermal Properties of Water and Steam  
at a Pressure of Up to 1000 KG/CM<sup>2</sup> in the  
Temperature Range From 300 to 1000°C, by  
M. P. Vukalovich, B. V. Dzampov, D. S.  
Rasskazov, 4 pp.

Interntl Phys Index  
Power Express  
Vol I, No 1

Report on the Division of Physical-Chemical and  
Engineering Sciences, 14 pp.

RUSSIAN, per, Trudy Ak Nauk Litovskoy SSR,  
Vol B2 (25), 1961, pp 281-290.

JPRS 4946

Photographic Photometry of Venus, by V. I.  
Yezerskiy, 114 pp.

RUSSIAN, per, Trudy Astron Observ imeni A. M.  
Gor'kogo, Kharkovskogo Gosuda U., Vol XII, 1957,  
pp 73-165.

STL-TR-61-5110-40

Scientific  
Physics (Contd)

The Influence of a Non-Stationary Pressure Field on the Wind Distribution in the Boundary Layer, by V. A. Shnaidman, 8 pp.

RUSSIAN, per, Trudy Glav Geofiz Observ imeni A. I. Voyeykova, No 77, 1958, pp 65-71.

Amer Meteorol Soc X-R-281

Study of the Dose Rate Field of a Cylinder Emitter With a High-Power Source of  $\text{Co}^{60}$  Radiation, by A. Kh. Breger, M. A. Dembrovskiy, L. A. Dmitriyev, et al., 28 pp.  
RUSSIAN, per, Trudy Problemy Fiz Khim, Vol II, 1959, pp 132-145. 9670984

FTD M -897/1

A Study of Equilibrium in a Zirconium-Nitrogen System at High Temperatures and the Dependence of the Free Energy of Formation of  $\text{ZrN}_x$  on Its Composition and Structure, by Ye. I. Smagina, V. S. Kutsev, B. F. Ormont, 27 pp.  
RUSSIAN, per, Trudy Problemy Fiz Khim, Goskhimizdat, Vol II, 1959, pp 118-131. 9670754

FTD MCL-896/1

Toward a Method of Quantitative Separation of Helium-Neon Mixtures, by G. M. Ermolin.  
RUSSIAN, per, Trudy Radiovogo Inst imeni V. G. Khlopina, Vol VI, 1957, pp 124-145.

AEC Tr-4208

The Possibility of Determining True Temperatures of Mineral-Forming Solutions, by N. P. Yermakov, V. A. Kalyuznyy, 6 pp.  
RUSSIAN, per, Trudy Vses Nauch-Issledovatel'sky Inst P'yezo-opticheskogo Mineralnogo Syr'ya (VNIIP), Issledovaniya Mineralobrazuyushchikh Rastvorov, Vol I, No 2, 1957, pp 41-51.

Amer Geol Inst  
Int Geol Rev  
Vol III, No 8

On the Reflection of Radiation by the Sea, by K. Ya. Kondrat'yev, N. Ye. Ter-Markaryants, 10 pp.  
RUSSIAN, per, Uchenye Zapiski Lenin, Gosud U., No 210, Ser Fiz Nauk, No 9, 1956, pp 47-56.

Navy/NRL 859

The Unstable One-Dimensional Motion of Gas in a Non-Uniform Channel With a Heat Input, by N. N. Popov.  
RUSSIAN, per, Vest Mosk U., Ser i Matemat Mekh, No 2, 1961, pp 71-79.

\*FTD-TT-61-36

Scientific  
Physics (Contd)

Vacuum High-Temperature Camera for X-Ray  
Diffraction Analysis, by V. I. Prokhvatilov,  
E. I. Gindin, 3 pp.  
RUSSIAN, per, Zavod Lab, Vol XVI, 1950, p 965.  
9080645

AEC Tr-4746

Method of Measuring Internal Stresses in Wood  
During Air Drying, by B. N. Ugolev, 10 pp.  
RUSSIAN, per, Zavod Lab, Vol XXI, No 10, 1955,  
pp 1224-1229. 9079582

OTS 61-11425  
PL-480

On Statistical Investigation of Dynamic Systems,  
by L. Pontryagin, A. Andronov, A. Vutt.  
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol III,  
1933, pp 165-180.

\*NASA

Resistance of Metals at High Current Density in  
an Impulse System, by L. A. Ignatyev, S. G.  
Kalashnikov, 19 pp.  
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXII,  
1952, pp 285-399. 9080649

AEC Tr-4748

On the Statistical Theory of Concentrated  
Solutions of Strong Electrolytes, by A. E.  
Glauber, I. R. Yukhnovskiy, 22 pp.  
RUSSIAN, per, Zhur Eksper i Teoret Fiz,  
Vol XXII, 1952, pp 562-578. 9080662

AEC UCRL-Trans-667(L)

Inorganic Peroxides, Chapter XI, Upper  
Potassium Oxides, by I. A. Kazarnovskiy,  
S. I. Raikhshmeim, 14 pp.  
RUSSIAN, per, Zhur Fiz Khim, Vol XXI, No 3,  
1947, pp 245-255. 9080644

AEC Tr-4758

Direction -- Low Temperatures, by V. Heychenko,  
4 pp.  
RUSSIAN, per, Znannya ta Pratsya, No 3, 1961,  
pp 8-9.

JPRS 4882

Scientific  
Physics (Contd)

Selected Articles From the Chinese Periodical  
Wu-li Hsueh-pao.

Vol XII, No 4, 1956.

General Boundary Relations for a Source-Driven Antenna With Application to a Finite Cylindrical Conductor, by Hsu Chang-pen, 26 pp, (pp 281-297).

JPRS 4907

On the Large Deflection of Elastic Circular Membrane With Initial Tension Under Uniformly Distributed Load, by Ku Chiu-lin, 24 pp, (pp 319-337).

JPRS 4919

On the Theory of Uniformly Loaded Anisotropic Cantilever Beams, by Hu Hai-ch'ang, 14 pp, (pp 339-349).

JPRS 4944

On the Displacements in the Problems of Saintvenant, and the Center of Shear and the Center of Twist, by Hu Hai-ch'ang, 13 pp, (pp 350-359).

JPRS 4944

Vol XV, No 4, 1959.

A Discussion on the Slope of the Calibration Curve in Spectrochemical Analysis, by Hsu Sheng-mei, (Ho I-djen) Ho I-cheng, 15 pp, (pp 178-185).

JPRS 9934

Radial Distribution of the Elemental Quantities of Thermally Excited Spectral Lines in the Equi-ion Zone of D. C. Electric Arc, by Wu Ch'ing-i, Chang Ho-ch'i, 15 pp, (pp 210-216).

Vol XV, No 5, 1959.

A Study of  $\alpha$  and  $\beta$  Particles Produced in Pb and Al, by Lu Min, Cheng Jen-ch'i, Li Ho-nien, 33 pp, (pp 230-245).

JPRS 9934

The Radiative Capture of  $\mu^-$ -Meson by Proton, by Tai Yuan-pent (Y.B. Dai), Hsien Ting-ch'ang (D.C. San), Ho Cha-hsiu (T.H. Ho), 10 pp, (pp 262-268).

Phase Equilibria and Isotope Separation, by Istvan Kiss, 17 pp.

CZECH, per, Fiz Szemle, Vol X, No 10, 1960, pp 230-.

AEC IA/583-Tr

Scientific  
Physics (Contd)

Heating of the Charge in a Two-Way Fired  
Soaking Pit, by S. Cernoch, I. Repisky,  
E. Spakovsky.  
CZECH, per, Hutnicke Listy, Vol XVI, No 5,  
1961, pp 335-342.

MT 200

Atomic Batteries, by Kliment Soler.  
CZECH, per, Pokroky Matematiky Fyziky a  
Astronomie, Vol VI, No 1, 1961, pp 15-23.

\*FTD-TT-61-72

Electromechanical Differential Analyzer  
"Diana", 24 pp.  
CZECH, per, Slaboproudy Obzor, Vol XXI, No 1,  
1960, pp 15-23.

USASIA: H-6633

The Influence of Oscillation of the Production  
of Ions in Ion Chambers, 10 pp.  
CZECH, per, Slaboproudy Obzor, Vol XIX, No 3,  
1958, pp 140-143.

USASIA: H-6624-B

Primary Cells Under Extreme Temperature, 14 pp.  
CZECH, per, Slaboproudy Obzor, Vol XIX, No 3,  
1958, pp 181-185.

USASIA: H-6624-D

Automatic Submerged Arc Welding of Thin-Walled  
Pipes of Small Diameter, by J. Svercl,  
S. Vysouzil.  
CZECH, per, Zvaranie, Jun 1960, pp 177-178.

BISI 2299

The Thermal Radiation of the Moon at 1420 Mc/s,  
by P. G. Mezger, H. Strassl, 13 pp.  
GERMAN, rpt.

Planetary & Space Sci  
Vol I, No 3, 1959  
PP

The Photolysis of Nitrous Oxide in the Far  
Ultraviolet, by W. E. Groth, H. Schierholz, 9 pp.  
GERMAN, rpt.

Planetary & Space Sci  
Vol I, No 4, 1959

The Morphology of Oxidation Films, by  
J. Paidassi.  
FRENCH, rpt, Third Colloquium on Metallurgy,  
Corrosion, 1959, pp 71-110.

BISI 2180

Scientific  
Physics (Contd)

Selected Articles From the French Periodical  
Comptes Rendus.

Vol CCXLIV, No 20, 1957, pp 2469-2471. \*AEC  
Periodicity Test. Generalization of the  
Schuster Test in the Case of Temporal  
Autocorrelated Series, by Maurice Allais.

Vol CCXLV, No 20, 1957, pp 1697-1700. \*AEC  
Observation of the Movements of the  
Paraconical Pendulum, by Maurice Allais.

Vol CCXLV, No 22, 1957, pp 1875-1878. \*AEC  
Harmonic Analysis of the Movements of the  
Paraconical Pendulum, by Maurice Allais.

Vol CCXLV, No 23, 1957, pp 2001-2003. \*AEC  
Movement of the Paraconical Pendulum and the  
Total Eclipse of the Sun of June 30, 1954.

Vol CCXLV, No 25, 1957, pp 2170-2173. \*AEC  
Theory of the Paraconical Pendulum and the  
Lunar-Solar Influence, by Maurice Allais.

Vol CCXLV, No 26, 1957, pp 2467-2470. \*AEC  
Application of the Generalized Schuster  
Test to the Harmonic Analysis of the  
Azimuths of the Paraconical Pendulum, by  
Maurice Allais.

Methods of Measuring Thermal Conductivity of  
Solids, by Pierre Vernotte, 3 pp.  
FRENCH, per, Metaux; Corrosion-Industries,  
Vol XXVI, 1951, pp 216-217. 9079456 AEC Tr-4638

Joint Tests for the Determination of the  
Specific Gravity and the Blaine Specific  
Surface, by Louis Feret, 23 pp.  
FRENCH, per, Revue des Matériaux de  
Construction et de Travaux Publics,  
No 529, Oct 1959, pp 221-223, 226-230. CSIR 165

The Two-Colour Pyrometer, by P. Rodicq,  
G. Maillot.  
FRENCH, per, Revue de Metallurgie, Vol LII,  
Jun 1955, pp 477-484. BISI 2329

Scientific  
Physics (Contd)

Ferrite One-Way Attenuator for 3 CM Waves,  
56 pp.  
GERMAN, rpt., Jan-Feb 1958.

USASIA: ACSI H-6541

Atmospheric Water Vapor Measurements at  
6-7 Microns From a Satellite, by F. Moller,  
5 pp.  
GERMAN, rpt.

Planetary & Space Sci  
Vol V, No 3, Jul 1961  
PP

The Frequency Stability of Heil-Type  
Generators, 18 pp.  
GERMAN, rpt.

USASIA: H-6542

Introduction Into the Information Theory,  
90 pp.  
GERMAN, rpt.

USASIA: H-6543

Slip Phenomena During Gaseous Diffusion, by  
E. Wicke, P. Hugo, 23 pp.  
GERMAN, rpt., Gleitungserscheinungen bei der  
Gasdiffusion. 9080658

AEC Tr-4745

Theoretical Treatment of Phenomena in  
Rarefied Gases, by B. Baule.  
GERMAN, per, Annalen der Physik, Vol XLIV,  
1914, pp 145-176.

RAE 932

On Reflection in an Inhomogeneous Medium, by  
K. Forsterling, H. O. Wuster.  
GERMAN, per, Annalen der Physik, Vol VIII, No 6,  
1950, pp 129-133.

NASA TT F-8039

Theoretical Discussion of the Influence of  
Ferromagnetic Coercive Forces of Spheroidal  
Inclusions Which Are Small as Compared With  
the Thickness of the Bloch Walls, by E. Schwabe.  
GERMAN, per, Annalen der Physik, Vol XI, No 2/3,  
1952, pp 99-112.

BISI 2139

Fundamentals and Possibilities of Film  
Dosimetry, by K. Becker.  
GERMAN, per, Atompraxis, Vol IV, No 5, 1958,  
pp 168-175.

\*AERE, Harwell  
Tr No 1495

Directional Dependence of Magnetic Properties  
in Electrical Sheet and Its Measurement, by  
J. Ruess.  
GERMAN, per, Elektrotechnische Z-A, Vol LXXX,  
1 Sep 1959, pp 588-593.

BISI 2155

Scientific  
Physics (Contd)

Measurement in Electric Sheet in the Laboratory  
and in Production, by W. Krug.

GERMAN, per, Elektrotechnische Z-A, Vol LXXX,  
1 Sep 1959, pp 593-599.

BISI 2156

Working Characteristics of Mass Spectrometers,  
by R. Taubert, 7 pp.

GERMAN, per, Erdol und Kohle, Vol X, No 8,  
1951, pp 516-518.

AEC TIL/T-5078

The Equivalent Circuit Diagram for the  
Radioactive Collector for the Measurement  
of Air Electrical Field Intensity, by  
H. Dolezalek, 8 pp.

GERMAN, per, Gerlands Beitrage zur Geophysik,  
Vol LXIX, No 2, 1960, pp 87-94.

\*NRL

The Connection of the Measuring Instrument  
to the Radioactive Collector Considered as a  
Quadrupole, by H. Dolezalek, 6 pp.

GERMAN, per, Gerlands Beitrage zur Geophysik,  
Vol LXIX, No 3, 1960, pp 175-180.

\*NRL

The Treatment of Wheat With Ionizing  
Radiation, Part I, Effect on the Milling  
Qualities in Hard Winter Wheats, by  
W. Seibel, 13 pp.

GERMAN, per, Getreide und Mehl, Vol X, No 2,  
1960, pp 13-16. 9080253

AERE, Harwell  
NP-Tr-690

The Preparation of Zinc Oxide Crystals Having  
Definite Additives, by G. Bogner, E. Mollwo,  
13 pp.

GERMAN, per, J Phys Chem Solids, Vol VI, 1958,  
pp 136-143.

AEC Tr-4661

Investigation of  $BF_3$  Proportional Counters, by  
H. F. Brinckmann, D. Gerber, 13 pp.

GERMAN, per, Kernenergie, Vol III, 1960,  
pp 309-314.

AERE, Harwell  
Tr 859

The Status of Practical Film Dosimetry, by  
K. Becker.

GERMAN, per, Kerntechnik, Vol III, No 3, 1961,  
pp 120-126.

\*AERE, Harwell  
Tr No 1520

Possibilities of Exact Crack-Depth Measure-  
ment, by A. Matting, V. Deutsch.

GERMAN, per, Materialprufung, 20 Jun 1961,  
pp 218-224.

\*BISI 2428



Scientific  
Physics (Contd)

The Reduction of Wave Interference Bearing Errors by the Use of Large-Base Systems, by F. Steiner, H. Stittgen.

GERMAN, per, ETZ-Nach Tech Z. Vol XI, No 8, 1958, pp 417-423.

Min of Aviat  
OT/4224  
NRC TT901

Vibrations in Space Lattices, by M. Born, T. von Karman.

GERMAN, per, Physik Z. No 13, 1912, pp 297-309.

RAE 930

The Photographic Density Law for X-Rays, by R. Glocker, W. Traub.

GERMAN, per, Physik Z. Vol XXII, No 12, 1921, pp 345-352.

\*AERE, Harwell  
Tr No 1509

Pyrolytic Carbon Deposited on Graphite, by W. Meier, W. Hugl.

GERMAN, per, Schweiz Arch, Vol XXVI, No 1, 1960, pp 29-38.

RAE 940

Secondary Radiation Effects in the Photographic Action of Alpha Rays, by R. H. Herz.

GERMAN, per, Strahlentherapie, Vol XCIV, No 3, 1954, pp 455-459.

\*AERE, Harwell  
Tr No 1496

The Thermodynamics of Partially Liquid Hail Stones, by Roland List, 33 pp.

GERMAN, per, Z. fuer Angewandte Mathematik und Physik, Vol XI, No 4, 1960, pp 273-306.

Amer Meteorol Soc T-G-164

Optical Pyrometry in Polarized Light, by W. Pepperhoff.

GERMAN, per, Z Angew Physik, Vol XII, No 4, 1960, pp 163-171.

RAE 939

Studies on the Mineral Metabolism of Antlered Deer by Means of Radioactive Isotopes, by

Von J. Rerabek, A. Bubenik.

GERMAN, per, Z fuer Jagdwissenschaft, Vol II, No 3, 1956, pp 119-123.

\*AEC

Secondary Electrons and Photons of  $\mu$ -Mesons in Solid Materials, by K. Ott, H. Preuss, 31 pp.

GERMAN, per, Z fuer Naturforschung, Vol XIIa, No 6, 1957, pp 451-465. 9080672

AEC Tr-4743

Scientific  
Physics (Contd)

The Possibility of Introducing Deuterium and Tritium Into Nuclear Fission Experiments, by E. W. Becker, R. Klingelhofer, P. Lohse. GERMAN, per, Z fuer Naturforschung, Vol XVa, No 7, 1960.

\*AEC

An Addendum to My Paper "A Direct Measurement of Thermal Molecular Velocity," by O. Stern. GERMAN, per, Z fuer Physik, Vol III, No 5, 1920, pp 417-421.

\*AERE, Harwell  
Tr No 1514

The Processes Occurring at the Cathode of Arc Discharges, by O. Becken, K. Sommermeyer. GERMAN, per, Z fuer Physik, Vol CII, 1936, pp 551-561.

\*AERE, Harwell  
Tr No 1513

Velocity Analysis of Laval-Beams, by E. W. Becker, W. Henkes. GERMAN, per, Z fuer Physik, Vol CXLVI, 1956, pp 320-332.

\*AEC

Irradiation From Condensed Atoms and Molecules in a High Vacuum, by E. W. Becker, K. Bier, W. Henkes. GERMAN, per, Z fuer Physik, Vol CXLVI, 1956, pp 333-338.

\*AEC

The Electrostatic Electron Microscope of High Resolution, by H. Mahl. GERMAN, per, Z fuer Technische Physik, Vol XX, No 11, 1939, pp 316, 317.

\*AEC

Radiation Monitoring and Measurement: Standard Ionization Chamber for Measuring the Background Radiation; Calibration of Airborne and Dose Rate, by S. Moriuchi. JAPANESE, JAERI rpt 5002, 4.7.4 and 4.7.5, 1960.

\*AERE, Harwell  
Tr No 1503

Measuring the High Frequency Dielectric Characteristics by Phase Transition. JAPANESE, per, Denshi Kogyo, Vol VII, No 6, 1958, pp 33-38.

ACSI H-5419-B  
ID 2174801

The Determination of the Concentration of Boron in Gaseous Mixtures by Means of Neutron Beams, by Ya. Chudars, I. Taure, I. Mednis, 12 pp. LATVIAN, per, Latvijas PSR Zinatnu Akademijas Vestis, No 3 (152), 1960, pp 57-64. 9080666

AEC Tr-4633

Scientific  
Physics (Contd)

Temperature Measurement From OH Bands, by  
G. Kvifte, 5 pp.  
NORWEGIAN, rpt.

Planetary & Space Sci  
Vol V, No 2, Jun 1961  
PP

Relative Population of OH X <sup>2</sup>II Levels, by  
G. Kvifte, 5 pp.  
NORWEGIAN, rpt.

Planetary & Space Sci  
Vol V, No 2, Jun 1961  
PP

Radiation Initiation of Chair Branched  
Reactions and Its Sensitization, by E. V.  
Barelko, L. I. Kartasheva, P. N. Komarov,  
14 pp.  
POLISH, rpt, Large Radiation Sources in  
Industry, Vol I. IAEA Conference Proceedings,  
8-12 Sep 1959, pp 409-421. 9080671

AERE, Harwell  
NP-Tr-695

The Density Spectrum of the Electron-Photon  
Component of Extensive Air Showers of Cosmic  
Radiation, by J. Messalaki, L. Turek.  
POLISH, per, Acta Physica Polonica, Vol XIX,  
No 6, 1960, pp 637-645.

\*FTD-TT-61-11

Fast-Neutron Scintillation Layer Detector  
for Measurements Against a Gamma Background,  
by W. S. Yeffseyev, W. J. Omarov.  
POLISH, per, Acta Physica Polonica, Vol XIX,  
No 6, 1960, pp 675-682.

\*FTD-TT-61-11

The Absolute Measurement of Thermal Neutron  
Flux With Gold Foils, by N. Mateyescu, 37 pp.  
RUMANIAN, per, Acad Rep Populare Romine, Inst  
Fiz Atomica si Inst Fiz Studii Cercetari Fiz,  
Vol XI, No 1, 1960, pp 83-96.

AERE, Harwell  
NP Tr-648

A Study of the So-Called Ferritic Layer of  
Resistance Butt-Welded Joints in Low-Carbon,  
Unalloyed Steels, by P. Galan, M. Zitnansky.  
SLOVAK, per, Zvaracsky Sbornik, Vol IX, No 3,  
1960, pp 367-379.

MT 197

Application of the System Cr<sub>2</sub>O<sub>7</sub>; 2 Cr in  
Spectrophotometrix Analysis, by  
M. Lachica Garrido Garcia.  
SPANISH, per, Anales de la Real Sociedad  
Espanola de Fisica y Quimica, Vol LIIIB, 1956,  
pp 237-250.

\*AERE, Harwell  
Tr No 1488

Scientific  
Physics (Contd)

Strongly Absorbing Layers Below 50 km, by  
Bengt Hultqvist, Johannes Ortner, 11 pp.  
SWEDISH, rpt.

Planetary & Space Sci  
Vol I, No 3, 1959  
PP

On Some Characteristics of the Eg-Layer, by  
M. Bossolasco, A. Elena, 7 pp.  
SWEDISH, rpt.

Planetary & Space Sci  
Vol I, No 3, 1959  
PP

Luminous Shock Waves, by Ulf Ericsson, 47 pp.  
SWEDISH, document, Om Lysande Stotvagnar,  
30 Jun 1959, pp 1-6.

JPRS 8812

Temperature Stresses in Arch Dams With  
Variations in the Upstream Water Level, by  
Johan F. Hagrup, 12 pp.  
SWEDISH, per, Beton, No 1, 1952.

CSIR 164

Initial Disturbances on the Development of  
Turbulent Stream Conditions When Air Moves  
Through Tubes, by I. T. Shvets, Ye. P. Dyban,  
et al.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrain RSR,  
No 2, 1960, pp 173-176.

\*FTD-TT-61-68

On the Statistical Theory of Ionic Systems,  
by I. R. Yukhnovskiy, 13 pp.  
UKRAINIAN, per, Ukrain Fiz Zhur, Vol IV,  
1959, pp 167-176. 9080660

AEC UCRL-Trans-670(L)

Scientific  
Space Research

Energy Sources of the Upper Atmosphere,  
by V. I. Krassovsky, 6 pp.  
RUSSIAN, rpt.

Planetary & Space Sci  
Vol I, No 1  
PP

Study of the Cosmic-Ray Soft Component by  
the 3rd Soviet Earth Satellite, by  
S. N. Vernov, A. E. Chudakov, E. V. Gorchakov,  
6 pp.  
RUSSIAN, rpt.

Planetary & Space Sci  
Vol I, No 2  
PP

Study of Interplanetary Ionized Gas, the  
Energetic Electrons and the Solar Corpuscular  
Emission Using Three-Electrode Charged  
Particle Traps on the Second Soviet Cosmic  
Rocket, by K. I. Gringauz, V. V. Bezrukikh,  
V. D. Ozerov, et al, 8 pp.  
RUSSIAN, bk, Iskusstvennye Sputniki Zemli,  
No 6, 1961, pp 101-107.

Amer Meteorol Soc T-R-360  
PP Cambridge, Mass Center

The Night Layer E According to Observations  
at the Dixon Observatory; Ionospheric Researches,  
by Ya. I. Feld'shteyn.  
RUSSIAN, rpt, Nochnoy Sloy E po Nablyudeniya v  
Observatorii o Dikson, IGY Program, Sec V,  
No 3, 1960, pp 34-39.

NASA TT F-8003

Principles of Heat Transfer in Aeronautical  
and Rocket Engineering, by V. S. Avdeuvskiy,  
Yu. I. Danilov, et al.  
RUSSIAN, bk, Osnovy Teploperedachi v Aviatsionnoy  
i Raketnoy Tekhnike, Oborongiz Moscow, 1960,  
pp 294-302, 328-336, 355-382.

\*FTD-TT-61-46/1

Man in Space. Beginning of a New Era of  
Development of Science, by V. G. Fesenkov.  
RUSSIAN, per, Astron Zhur, Vol XXXVIII, No 2,  
1961, pp I-IV.

NASA TT F-8016

A Method For Improving the Orbits of Artificial  
Earth Satellites Using Observations When the  
Time Is Only Approximately Known, by D. K.  
Kulikov, Yu. V. Batrakov, 30 pp.  
RUSSIAN, per, Byul Inst Teoret Astron,  
Vol VII, No 7 (90), 1960, pp 554-569.  
9670993

FTD MCL-1115/1

Scientific  
Space Research (Contd)

On Fast Variations of the Period of Rotation Relatively to the Transverse Axis of the Second Soviet Artificial Earth Satellite, by V. M. Grigorevskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVII, No 3, 1961, pp 572-575.

NASA TT F-8024

Biotelemetry and Space Flight, by R. Bayevskiy, 6 pp.

RUSSIAN, np, Ekonomicheskaya Gazeta, No 167, 16 Jul 1961, p 3.

JPRS 10,000

On Rocket Aircraft Into Space, by N. Romanov, 12 pp.

RUSSIAN, per, Grazh Aviatsiya, Oct 1959, pp 13-15, 27. 9670985

FTD 1-607/1

Launching of Lunar Rockets, by K. Leonidov, (SF-2004).

RUSSIAN, np, Izvestiya, No 218 (13764), 13 Sep 1961, p 6.

\*JPRS

Concerning the Conquest of Space, by S. O. Obashev, G. M. Illis.

RUSSIAN, per, Iz Ak Nauk Kazakh SSR, No 5, 1961, pp 10-14.

\*FTD TT-61-103

An Announcement on the Flight of Yuri Gagarin, 4 pp.

RUSSIAN, per, Komsomol'skaya Pravda, No 88 (11018), 13 Apr 1961, p 1. 9671002

FTD MCL-1147/1

Five Hours With Yuriy Gagarin, by P. Barshev, V. Peskov, 7 pp.

RUSSIAN, np, Komsomol'skaya Pravda, 15 Apr 1961, pp 4. 9670747

FTD MCL-1151/1

Man's Daring Needs Are Being Realized, 26 pp.

RUSSIAN, np, Pravda, 12 Aug 1961, p 5, 6.

JPRS 8805

In the Hours of the Historic Flight, by Am. Trifonov, 22 pp.

RUSSIAN, np, Pravda, 17 Aug 1961, pp 2, 6.

JPRS 8835

Scientific  
Space Research (Contd)

The Second Flight of a Man in Cosmic Space, (DC-6313).  
RUSSIAN, np, Pravda, No 252, 8 Sep 1961, pp 2, 4.

\*JPRS

On Soviet Man in the Cosmos, 6 pp.  
RUSSIAN, per, Priroda, Vol XXV, No 4, 1961, pp 1-4.

JPRS 8846

The Second Spaceship, 4 pp.  
RUSSIAN, per, Radio, No 10, 1960, p 3.  
9671006

FTD MCL-1159/1

Is There Life On Other Planets?, by A. I. Oparin, 11 pp.  
RUSSIAN, np, Turkmenskaya Iskra, 2 Jul 1961, p 3.

JPRS 10034

Preparation for Man's Flight Into Cosmic Space, by A. A. Blagonravov, 14 pp.  
RUSSIAN, per, Vest Ak Nauk SSSR, No 6, 1961, pp 19-30.

JPRS 8753

Man in Universe, by Galaktion Michajlov, 11 pp.  
CZECH, per, Letecky Obzor, Vol V, No 5, 1961, pp 130-132. 9671003

FTD MCL-1154/1

Observations of the Russian Satellites and the Structure of the Outer Terrestrial Atmosphere, 9 pp.  
GERMAN, rpt.

Planetary & Space Sci  
Vol I, No 2  
PP

The Conraves-Oerlikon Anti-Aircraft Rocket, 13 pp.  
GERMAN, rpt.

URASIA: H-6545-B

Israel Rocket,  
HEBREW, per, Bamahaneh, 11 Jul 1961, pp 2-5;  
Encl to R-141-61, OUEARMA, Tel Aviv, 11 Jul 1961.

ID 2176643

Space Ship Land, 4 pp.  
HUNGARIAN, per, Elet es Tudomany, 11 Sep 1960, pp 1159-1162.

319th MI Bn  
ACSI H-7741  
ID-2158098

Scientific  
Space Research (Contd)

Report on Optical Observations on the  
Occasion of the Landing of the Soviet  
Moon Probe Lunik 2, by L. Detre.  
HUNGARIAN, per, Mitt Stern Ungar Akad  
Wiss, No 45, 1960.

RAE 922

Miscellaneous

Scientific Research Institutes, by  
P. Dvizhkov, Ye. Ponomar', 66 pp.  
RUSSIAN, bk, Bol'shaya Meditsinskaya  
Entsiklopediya, Vol XX, 1961, pp 61-107.

JPRS 10056

A List of Libraries, 7 pp.  
RUSSIAN, pamphlet, Informatsionnyy Ukazatel'  
Bibliograficheskikh Spiskov i Kartotek, No 9,  
1961, pp 26-30.

JPRS 4913

The Training of Personnel Is a Matter of  
Utmost Importance, by A. D. Aleksandrov, 5 pp.  
RUSSIAN, np, Ekon Gazeta, 14 Jun 1961, p 2.

JPRS 4862

Decisively Improve the Coordination of  
Research Work, by S. A. Vekshinskiy, 3 pp.  
RUSSIAN, np, Ekon Gazeta, 14 Jun 1961, p 2.

JPRS 4862

Natural Sciences Are the Source of Techno-  
logical Ideas, by L. A. Artsimovich, 5 pp.  
RUSSIAN, np, Ekon Gazeta, 14 Jun 1961, p 2.

JPRS 4862

To New Heights of Science, 6 pp.  
RUSSIAN, np, Izvestiya, 15 Jun 1961, pp 1, 4.

JPRS 4862

USSR Academy of Sciences, Siberian Department,  
by R. Karcha, 13 pp.  
RUSSIAN, per, Insti po Izucheniyu SSSR, 1960,  
pp 40-51, (Call No DK 501 M42 1961, No 25 E Tr).

AMS



Scientific  
Miscellaneous (Contd)

General Conference of the Division of  
Chemical Sciences of the Academy of  
Sciences USSR 27-28 October 1960, 5 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim  
Nauk, No 2, 1961, pp 378-380.

JPRS 4804

General Meeting of the Department of Technical  
Sciences, Academy of Sciences, USSR, 6 pp.  
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,  
Energet i Avtomat, No 2, 1961, pp 173-175.

JPRS 4825

Selected Articles From the Russian  
Periodical Iz Vostochnykh Fil Ak Nauk  
SSSR, No 8, 1957.

JPRS 4910

An Outpost of Science in the Far East,  
by V. G. Bykov, V. M. Mayorov,  
A. V. Stotsenko, 6 pp, (pp 75-79).

On the Activity of the Yakutsk Affiliate of  
the AN USSR, by N. V. Cherskiy, 7 pp,  
(pp 80-85).

On Certain Results of the Activity of the  
Kazan Affiliate of the Academy of Science  
USSR, by K. V. Nikonorov, 18 pp, (pp 86-99).

Some Results of the Scientific Research in  
the Karelia Affiliate of the AN USSR, by  
V. S. Slodkevich, 7 pp, (pp 112-116).

The Scientific Activity of the Komi  
Affiliate of the Academy of Sciences  
USSR, by P. P. Vavilov, 12 pp, (pp 117-125).

The Development of Scientific Research in the  
Dagestan Affiliate AN USSR, by Kh. I.  
Amirkhanov, 4 pp, (pp 126-129).

The Moldavian Affiliate of the Academy of  
Science USSR, by Ya. S. Grosul, 10 pp,  
(pp 155-162).

Sci. Affairs  
High Achievements (Contd.)

Results of the 1960 All-Union Competitions  
For the D. K. Chernov and N. A. Minkevich  
Prizes, by S. L. Rurten, 4 pp.

RUSSIAN, per, Metal i Terna Obra Metallov,  
No 4, 1961.

JPRS 4968

On the Paths of Cybernetics Development,  
by A. V. Napalkov, 3 pp.  
RUSSIAN, np, Moskovskiy Universitet, No 6  
(1936), 31 Jan 1961, p 2.

JPRS 9985

The Party's Concern Is Inspiring, 5 pp.  
RUSSIAN, np, Pravda, 12 Jun 1961, p 1.

JPRS 4862

The Efforts of Soviet Science and the  
Guarantee of Its Newest Successes ---  
In Constant Touch With the Creative Labor  
of the People, 15 pp.  
RUSSIAN, np, Pravda, 14 Jun 1961, pp 1, 2.

JPRS 4862

Communism and Science, by M. V. Keldysh,  
20 pp.  
RUSSIAN, np, Pravda, 4 Aug 1961, pp 3-4.

JPRS 3804

To the Central Committee of the Communist  
Party of the Soviet Union and to the Council of  
Ministers USSR, 3 pp.  
RUSSIAN, np, Pravda, 15 Jun 1961, p 1.

JPRS 4862

On Measures for Improving the Training of  
Scientific and Scientific-Pedagogic  
Personnel, 3 pp.  
RUSSIAN, np, Pravda, 17 Jun 1961, p 1.

JPRS 4862

Experience and Scientific Knowledge, by  
G. A. Karsanov, 11 pp.  
RUSSIAN, per, Prirada, No 4, 1961, pp 3-8.

JPRS 10027

The Activity of the Plant Public Design  
Bureaus, (DC-6345).  
RUSSIAN, per, Sudostroyeniye, No 7, 1961,  
p 61.

\*JPRS

For Closer Bonds of Science and Universities  
With Life, by B. Ovezov, 13 pp.  
RUSSIAN, np, Turkmen'skaya Iskra, 16 Jul 1961,  
pp 1-2.

JPRS 4964

Scientific  
Miscellaneous (Contd)

In the Presidium and Scientific Establishments,  
3 pp.  
RUSSIAN, per, Vest Ak Nauk Kazakhskoy SSR,  
No 6, 1960, p 82.

JPRS 9847

In Honor of B. A. Kazanskiy; In Honor of  
S. S. Medvedev; In Honor of A. M. Deborin,  
(DC-6344).  
RUSSIAN, per, Vest Ak Nauk SSSR, No 8, 1961,  
pp 103-106.

\*JPRS

The Contribution of Scientists at Higher  
Educational Institutions to Theory and  
Practice, by P. D. Lebedev, 10 pp.  
RUSSIAN, per, Vest Vysshey Shkoly, No 5,  
1961, pp 90-96.

JPRS 4895

The Vitamins of Technical Progress, by  
S. Kahanovych, 6 pp.  
RUSSIAN, per, Znannya ta Pratsya, No 5,  
1961, pp 12-13.

JPRS 4875

All China Posts and Telecommunications  
Conference, (DC-6293).  
CHINESE, np, Kuang-ming Jih-pao, 10 Jan  
1959, p 1.

\*JPRS

Scientific Reports, Plenary Session 1953,  
Part 2, by M. Kneissl.  
GERMAN, bk, Wissen Scharfliche Referate,  
Vollstzung 1953, II., Series A, No 106,  
1955, 22 pp.

\*ACIC

Notions of Documentoscopy, by  
Jose Del Picchia Filho, 72 pp.  
PORTUGUESE, per, Arquivos da Policia de Sao  
Paulo, Vol XX, 1st Semester, 1951, pp 115-177.

JPRS 8840

Speech Delivered by Ambassador Roberto de  
Oliveira Campos on His Selection as "Visao's  
Man of the Year - 1961," 6 pp.  
PORTUGUESE, Correio de Manha, July 29, 1961,  
Encl 1 to Desp 86, AmEmbassy, Rio de Janeiro,  
2 Aug 1961.

Dept of State

Scientific  
Miscellaneous (Contd)

Selected Articles From the Slovak Periodical  
Vestnik Slovenskej Akademie Vied.

Vol II, No 1, 1960.

JPRS 4902

Fifteen Years of Scientific Development  
in Slovakia, by Andrej Siracky, 8 pp,  
(pp 3-8).

Twelfth Plenary Session of the Slovak  
Academy of Sciences, 38 pp, (pp 9-41).

Vol II, No 2/3, 1960.

Activities and Plans of the Slovak Academy  
of Sciences, by Viliam Thurzo, 32 pp,  
(pp 90-115).

JPRS 4922

Joint Session of the Presidia of the  
Czechoslovak Academy of Sciences and the  
Slovak Academy of Sciences, 8 pp,  
(pp 116-121).

JPRS 4922

On Sessions of the Presidium of the Slovak  
Academy of Sciences, 3 pp, (pp 170-173).

JPRS 4922

Candidates of Science at Establishments of  
the Slovak Academy of Sciences, 10 pp,  
(pp 185-192).

JPRS 4924

In the Presidium of the Academy of Sciences  
UkSSR, 10 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrain  
UkSSR, No 2, 1961, pp 251-255.

JPRS 9874

Decisions of the Presidium of the Academy  
of Sciences of the Ukrainian SSR Regarding  
Plans for Scientific Activity in the Year  
1961, 9 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrain RSR,  
No 4, 1961, pp 538-541.

JPRS 9943

In the Presidium of the Ukrainian Academy  
of Sciences, 4 pp.

UKRAINIAN, per, Dopovidi Ak Nauk Ukrain  
RSR, No 9, 1961, pp 1297-1299.

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• Deveroobrabatyvayushchaya Promyshlennost, No 1-4, 1960.	DSIR, TDA
Doklady Akademii Nauk SSSR, Biochemistry Section, Vol CXXXVI, No 1-6, 1961.	AIBS
Doklady Akademii Nauk SSSR, Physics Section, Vol CXXXVII, No 1-3, 1961.	AIP Soviet Physics Vol VI, No 3
Entomologicheskoye Obozreniye, Vol XL, No 1, 1961.	AIBS
Fizika Tverdogo Tela, Vol III, No 3, 1961.	AIP Soviet Phys Vol III, No 3
Fiziologiya Rastenii, Vol VIII, No 1, 1961.	AIBS
Izmeritel'naya Tekhnika, No 11, 12, 1960.	ISA
Izvestiya Akademii Nauk SSSR, Otdeleniye Khimicheskikh Nauk, No 8, 1960.	CB
Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya, Vol XXIV, No 8, 1960.	CTT
Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, No 3, 1960.	AGI
Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, No 2-5, 1961.	AGU
Kauchuk i Rezina, Vol XIX, No 12, 1960.	RAPRA
• Kinetika i Kataliz, Vol I, No 3, 1960.	CB
• Koks i Khimiya, No 3, 1961.	CTRA
Liteynoye Proizvodstvo, No 3, 4, 1961.	BCIRA

Meditinskaya Radiologiya, No 11, 1960, (NY-6725).	*JPRS
Meditinskaya Radiologiya, No 12, 1960, (NY-6726).	*JPRS
Meditinskaya Radiologiya, No 1, 1961, (NY-6706).	*JPRS
Meditinskaya Radiologiya, No 2, 1961, (NY-6707).	*JPRS
Meditinskaya Radiologiya, No 3, 1961, (NY-6708).	*JPRS
Meditinskaya Radiologiya, No 4, 1961, (NY-6709).	*JPRS
Meditinskaya Radiologiya, No 5, 1961, (NY-6710).	*JPRS
Meditinskaya Radiologiya, No 6, 1961, (NY-6711).	*JPRS
Meditinskaya Radiologiya, No 7, 1961, (NY-6712).	*JPRS
Meditinskaya Radiologiya, No 8, 1961, (NY-6743).	*JPRS
Meditinskaya Radiologiya, No 9, 1961, (NY-6749).	*JPRS
Metallurg, No 10-11, 1960.	Acta Metallurgica
Pochvovedeniye, No 7, 8, 1960.	AIBS
Problemy Kibernetiki, No 1, 1960.	PP
Radiotekhnika i Elektronika, Vol VI, No 1, 1961.	AIEE
Stal, No 6, 1961.	BISI
Svarochnoye Proizvodstvo, No 7, 1960.	BWRA
Tsitologiya, Vol II, No 6, 1960, (NY-6724).	*JPRS
Tsitologiya, Vol III, No 2, 1961, (SF-1992).	*JPRS
Tsitologiya, Vol III, No 3, 1961, (DC-6314).	*JPRS

Tsitologiya, Vol III, No 4, 1961,  
(NY-6745).

\*JPRS

Tsvetnye Metally, Vol I, No 11, 1960.

PS

Tyl i Snabzheniye Sovetskikh Vooruzhennykh  
Sil, No 1, 1961.

ACSI H-6908-A  
ID 2166459

Tyl i Snabzheniye Sovetskikh Vooruzhennykh  
Sil, No 2, 1961.

ACSI H-6908-B  
ID 2166459

Tyl i Snabzheniye Sovetskikh Vooruzhennykh  
Sil, No 10-12, 1961.

ACSI H-6908-J, K, L,  
ID 2166459

Vestnik Mashinostroeniya, Vol XL, No 11,  
1960.

PERA

Vestnik Svyazi, No 9, 1957.

JPRS 7032

Vestnik Svyazi, No 3, 1961.

JPRS 9833

Vestnik Vozdushnogo Flota, No 1, 1961.  
9670853

FTD

Voyenno Meditsinskiy Zhurnal, No 5,  
1961.

JPRS 10052

Zhurnal Analiticheskoy Khimii, Vol XVI,  
No 1, 1961.

CB

Zhurnal Eksperimental'noy i Teoreticheskoy  
Fiziki, Vol XL, No 4, 1961.

AIP  
Soviet Phys JETP  
Vol XIII, No 4

Zhurnal Obshchey Khimii, Vol XXX, No 8, 9,  
1960.

CB

Zhurnal Neorganicheskoy Khimii, Vol V,  
No 10, 11, 1960.

Cleaver-Hume Press

Zhurnal Prikladnoy Khimii, Vol XXXIII,  
No 10, 11, 1960.

CB

Zhurnal Strukturnoy Khimii, Vol I,  
No 3, 4, 1960.

CB

Zhurnal Tekhnicheskoy Fiziki, Vol XXXI,  
No 3, 4, 1961.

AIP  
Sov Phys - Tech Phys  
Vol VI, No 4

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Central Intelligence Agency



Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen  
Deputy Director for Operations  
Defense Technical Information Center  
7725 John J. Kingman Road  
Suite 0944  
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sergio N. Alcivar".

Sergio N. Alcivar  
Chief, CIA Declassification Center,  
Declassification Review and Referral  
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

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## Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed  
by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fldr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0834505	78-03109A	49	1	1	36	Consolidated Translation Survey For December 1960	12/1/1960	240	Approved For Release	3/25/2004
AD0834506	78-03109A	49	1	2	37	Consolidated Translation Survey For January 1961	1/1/1961	318	Approved For Release	3/25/2004
AD0834340	78-03109A	49	1	3	38	Consolidated Translation Survey For February 1961	2/1/1961	363	Approved For Release	3/25/2004
AD0834341	78-03109A	49	1	4	39	Consolidated Translation Survey For March 1961	3/1/1961	206	Approved For Release	3/25/2004
AD0834342	78-03109A	49	1	5	40	Consolidated Translation Survey For April 1961	4/1/1961	411	Approved For Release	3/25/2004
AD0834343	78-03109A	49	1	6	41	Consolidated Translation Survey For May 1961	5/1/1961	327	Sanitized	3/25/2004
AD0834344	78-03109A	49	1	7	42	Consolidated Translation Survey For June 1961	6/1/1961	364	Approved For Release	3/25/2004
AD0834345	78-03109A	49	1	8	43	Consolidated Translation Survey For July 1961	7/1/1961	303	Approved For Release	3/25/2004
AD0834346	78-03109A	50	1	1	44	Consolidated Translation Survey For August 1961	8/1/1961	349	Approved For Release	3/25/2004
AD0834347	78-03109A	50	1	2	45	Consolidated Translation Survey For September 1961	9/1/1961	299	Approved For Release	3/25/2004
AD0834348	78-03109A	50	1	3	46	Consolidated Translation Survey For October 1961	10/1/1961	252	Approved For Release	3/25/2004
AD0834349	78-03109A	50	1	4	47	Consolidated Translation Survey For November 1961	11/1/1961	285	Approved For Release	3/25/2004
AD0834350	78-03109A	50	1	5	48	Consolidated Translation Survey For December 1961	12/1/1961	362	Approved For Release	3/25/2004
AD0834351	78-03109A	50	1	6	49	Consolidated Translation Survey For January 1962	1/1/1962	341	Approved For Release	3/25/2004
AD0834352	78-03109A	50	1	7	50	Consolidated Translation Survey For February 1962	2/1/1962	323	Approved For Release	3/25/2004
AD0834353	78-03109A	51	1	1	51	Consolidated Translation Survey For March 1962	3/1/1962	401	Approved For Release	3/25/2004
AD0834354	78-03109A	51	1	2	52	Consolidated Translation Survey For April 1962	4/1/1962	423	Approved For Release	3/25/2004
AD0834355	78-03109A	51	1	3	53	Consolidated Translation Survey For May 1962	5/1/1962	387	Approved For Release	3/25/2004
AD0834356	78-03109A	51	1	4	54	Consolidated Translation Survey For June 1962	6/1/1962	391	Approved For Release	3/25/2004
AD0834357	78-03109A	51	1	5	55	Consolidated Translation Survey For July 1962	7/1/1962	396	Approved For Release	3/25/2004
AD0834358	78-03109A	51	1	6	56	Consolidated Translation Survey For August 1962	8/1/1962	475	Approved For Release	3/25/2004
AD0834359	78-03109A	52	1	1	57	Consolidated Translation Survey For September 1962	9/1/1962	245	Approved For Release	3/25/2004
AD0834360	78-03109A	52	1	2	58	Consolidated Translation Survey For October 1962	10/1/1962	228	Approved For Release	3/25/2004
AD0834361	78-03109A	52	1	3	59	Consolidated Translation Survey For November 1962	11/1/1962	274	Approved For Release	3/25/2004
AD0834362	78-03109A	52	1	4	60	Consolidated Translation Survey For December 1962	12/1/1962	265	Approved For Release	3/25/2004
AD0834363	78-03109A	52	1	5	61	Consolidated Translation Survey For January 1963	1/1/1963	270	Approved For Release	3/25/2004